NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(NASA-CR-147642) MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100) OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF THE SPACE SHUTTLE ORBITER IN THE (Chrysler G3/16

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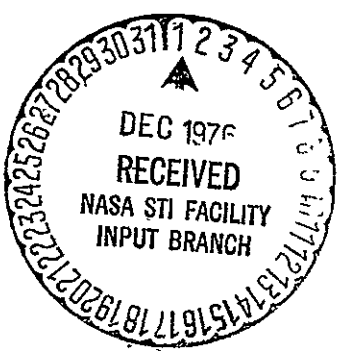

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

October 1976

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VOLUME 2

MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100) OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY V/STOL TRANSITION RESEARCH WIND TUNNEL (CA8)

by

747 Aerodynamics, 747 Flight Controls
and Wind Tunnel Test Staff
The Boeing Co.

Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC V/STOL 129
NASA Series Number: CA8
Model Number: TE 1065 (Boeing 747-100), 43-0 (ORBITER)
Test Dates: August 19 through September 11, 1975
Occupancy Hours: 268

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MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100) OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY V/STOL TRANSITION RESEARCH WIND TUNNEL (CA8)

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ABSTRACT

This report contains data obtained in the NASA Langley V/STOL Transition Research Wind Tunnel on a 0.04 scale model of the 747 with a 0.0405 scale Orbiter Space Shuttle. The investigation included the effects of flap setting, stabilizer angle, elevator angle, ground proximity, and Orbiter tailcone fairing. Data were obtained in the pitch plane only. The test was run at M = 0.15, with a dynamic pressure of 35 psf.

Six static pressures were measured on each side of the 747 CAM nose to determine the effects of the Orbiter on the 747 airspeed and altitude indicators.

This report consists of 3 volumes of force data. They are arranged in the following manner.

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221	ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB = 8, TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS	ALPHAW	E	738-740
222	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC OFF CARRIER IN PRESENCE OF ORBITER (MAIN BALANCE-ORBITER BALANCE), GP SWEEPS	ALPHAW	E	741-743
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223	FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB = 3, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	744-747
224	FERRY CONFIG. STABILIZER EFFECTIVENESS FLAPS 10, IORB = 3, TC ON, ELEV = 0, ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	748-751
225	FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB = 3, TC ON, ELEV = 0, ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	752-755
226	FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB = 3, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR, STAB,	F	756-759

FIGURE NUMBER	TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGES
227	FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB = 3, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	760-763
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229	FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB = 3, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	768-771
230	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB = 6, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	772-775
231	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB = 6, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	776-779
232	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB = 6, TC ON, ELEV = 0 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	780-783
233	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB = 6, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	784-787
234	ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB = 6, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	788-791

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236	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	796-799
237	ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	800-803
238	ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	CONFIG.	F	804-807
239	ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	CONFIG.	F	808-811
240	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	812-815
241	ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	CONFIG.	F	816-819
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244	ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	CONFIG.	F	828-831
245	ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB = 6, TC OFF, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	832-835
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247	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB = 8, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	840-843
248	ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB = 8, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	844-847
249	ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB = 8, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	STAB	F	848-851
250	ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB = 8, TC ON, ELEV = -5 ORBITER BALANCE DATA-ALPHA SWEEPS	ELEVTR	F	852-855

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253	EFFECT OF TAILCONE, ALT CONF. IORB = 6, FLAPS 20 ORBITER BALANCE DATA-ALPHA SWEEPS	CONFIG.	F	864-867
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258	FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON, ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	880-882
259	FERRY CON. IN GROUND PROXIMITY, STAB = -4, IORB = 3, TC ON, ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	883-885

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273	FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB = 3, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	925-927
274	FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB = 3, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	928-930
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278	FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB = 6, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	940-942
279	FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB = 6, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	943-945
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285	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP	ALPHAW	C	961-963
286	ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP	ALPHAW	C	964-966
287	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP	ALPHAW	C	967-969
288	ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP	ALPHAW	C	970-972
289	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	973-975
290	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	976-978
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293	ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	985-987
294	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	988-990
295	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	991-993
296	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	994-996
297	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	997-999
298	ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1000-1002
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301	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1009-1011
302	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1012-1014
303	ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1015-1017
304	ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1018-1020
305	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB = 8, TC OFF ORBITER BALANCE	ALPHAW	C	1021-1023
306	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1024-1026
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309	ALT CONFIG IN GROUND PROXIMITY, STAB = 0 FLAPS 30, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1033-1035
310	ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1036-1038
311	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1039-1041

PLOTTED COEFFICIENTS SCHEDULE:

A) C_L versus α_W, α_W versus C_m, C_L versus C_m, C_L versus C_D

B) CP14, CP25, CP36 versus α_W

C) C_L, C_D, C_m versus GROUND PLANE

D) ΔC_L versus α_W, α_W versus ΔC_m, ΔC_L versus ΔC_m, ΔC_L versus ΔC_D

E) ΔC_L, ΔC_D, ΔC_m versus GROUND PLANE

F) C_L versus α_0, α_0 versus C_m, C_L versus C_m, C_L versus C_D

NOMENCLATURE
General

PLOT SYMBOL	MNEMONIC	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
		Reference & C.G. Definitions
A_b		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
ℓ_{REF} $\bar{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE
(Continued)

Orbiter Stability-Axis System

PLOT SYMBOL	MNEMONIC	DEFINITION
C_{L_o}	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_{D_o}	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{Y_o}	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_{D_o} - C_{D_b}$
C_{m_o}	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_{n_o}	CIN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_{ℓ_o}	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Continued)

747 Stability-Axis System

PLOT SYMBOL	MNEMONIC	DEFINITION
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{-qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Additions to Standard List)

PLOT SYMBOL	MNEMONIC	Definition
BSTA		Carrier Fuselage station, in.
BWL		Carrier water line, in.
FS		Fuselage station, in.
GP	GP	Ground Height - Distance between $\frac{1}{4}$ MAC 747 CAM and the Ground Plane
H/B		Ground Height (GP) divided by 747 CAM wing span
i_{orb}	IORB	Orbiter incidence angle, degrees
MS		Model station, in.
S_i		Spoiler No. i deflection angle, deg.
S_{i-j}		Spoiler No. i through j deflection angle, deg.
WL		Waterline, in.
X_c	XC	Carrier longitudinal station, in.
X_o	XO	Orbiter longitudinal station, in.
Y_c	YC	Carrier lateral station, in.
Y_o	YO	Orbiter lateral station, in.
Zc	ZC	Carrier vertical station, in.
Z_o	ZO	Orbiter vertical station, in.
α_c	ALPHAC	Carrier fuselage angle of attack, deg.
α_o	ALPHAO	Orbiter angle of attack, $\alpha_\phi = i_{ORB} - 2^o + \alpha_W \quad \Delta i_{ORB}$, deg.
α_W	ALPHAW	Carrier wing angle of attack, $\alpha_W = \alpha_c + 2^o$, deg.
β_c	BETAC	Carrier sideslip angle, deg.
β_o	BETAO	Orbiter sideslip angle, deg.
Δi_{ORB}	DIORB	Change in Orbiter incidence due to support strut/balance deflections, deg.
δ_{EI}	ELV-IB	Carrier inboard elevator deflection, deg.
δ_{EO}	ELV-OB	Carrier outboard elevator deflection, deg.

NOMENCLATURE
(Additions to Standard List - Concluded)

PLOT SYMBOL	MNEMONIC	Definition
δ_E	ELEVON	Orbiter elevon deflection angle, deg.
δ_{BF}	BDFLAP	Orbiter body flap deflection angle, deg.
δ_{RL}	RUD-L	Carrier lower rudder panel deflection angle, deg.
δ_{RU}	RUD-U	Carrier upper rudder panel deflection angle, deg.
δ_R	RUDDER	Orbiter rudder deflection angle, deg.
δ_{SP}	SPOIL	Carrier spoiler deflection angle, deg.
i_{WDP}	STAB	Carrier horizontal stabilizer deflection angle, with respect to wing, deg.
$C_{P_{14}}$	CP14	Average of base pressures CP1 and CP4
$C_{P_{25}}$	CP25	Average of base pressures CP2 and CP5
$C_{P_{36}}$	CP36	Average of base pressures CP3 and CP6
	ELEVTR	Carrier elevator deflection angle, deg.

CONFIGURATIONS INVESTIGATED

The models tested included the 0.04 scale model of the basic 747 and the 0.0405 scale model Orbiter mounted to the 747 CAM in the ferry and four ALT configurations (Reference 2). The 747 CAM was not tested and only the ferry and ALT configurations were tested in ground proximity.

The 747 model represented the 747-100 (NASA N905NA) aircraft as closely as possible using existing model parts. The 747 model (AX12841-6) was mounted on the Boeing 635 balance which in turn was mounted to the Boeing 506 swept strut/sting mount. The Orbiter model was mounted to the Boeing 6176 balance which was mounted rigidly to the 747 model by one forward and two aft support struts (Figures 2g and 2h). Model installation photographs are shown in Figures 3a through 3g.

The 747 swept strut/sting is shown schematically in Figure 2i. The strut was located under the 747 for free air testing, from the top of the aft body of the 747 for free air testing, from the top of the aft body of the 747 for ground effects testing and from the top of the fuselage (same body station as belly strut mount) for tunnel upflow evaluations. The model was located approximately on the tunnel centerline for free air testing. For ground proximity effects testing, the model was located at approximately 4, 10, 30, 60, 95, and 135 feet (full scale) measured from the bottom of the aft wing wheels to the tunnel floor. This series of ground height tests was an expansion of the initial plan which required one ground height. Testing procedures required this type of run series to obtain data at minimum ground height for varying angles of attack.

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CONFIGURATIONS INVESTIGATED (Concluded)

Trip strips were located on the orbiter and carrier models as shown in Figures 2j and 2k to insure a controlled turbulent boundary layer.

The carrier horizontal stabilizer angle was set by an electric motor installed in the carrier tail which was remotely controlled. A detailed description of all model parts is contained in Table III.

The basic configuration changes were orbiter on and off, orbiter incidence angles of 3°, 6° and 8°; carrier flap settings of up, 10, 20 and 30; landing gear on and off; orbiter tailcone on and off; carrier stabilizer settings of $+2^{\circ}$ to -6°; orbiter elevon settings of 0 and -5°; carrier elevator angles of $17^{\circ}/17^{\circ}$, $10^{\circ}/10^{\circ}$, $1^{\circ}/1^{\circ}$, $-10^{\circ}/-10^{\circ}$, $-23^{\circ}/-23^{\circ}$; and the models in free air and ground proximity. A typical ground proximity test was conducted by setting the carrier angle of attack, lowering the model to close proximity to the tunnel floor and then raising the model to various heights above the floor (4 through 135 feet full scale).

The configurations tested are summarized below:

747 Alone

747/Orbiter - Ferry Configuration ($i_o = 3^{\circ}$)

747/Orbiter - ALT Configurations ($i_o = 6^{\circ}$, and 8°, T/C On and off)

747 Tested upright and inverted for tunnel upflow evaluation.

The model was mounted on a swept blade sting from below for free air testing and from a vertical tail location for ground proximity effect as shown in Figure 2i.

INSTRUMENTATION

Six component balances were used to measure 747 carrier and orbiter forces and moments. The 747 carrier was mounted on the Boeing 635 balance. The orbiter was mounted to the Boeing 6176 balance.

Six static pressure taps were located on the 747 fore-body (3 on each side) as shown in figure 24 to measure the orbiter effects on the air data system and sideslip angle indicator.

Three-quarter inch long yarn tufts were located on the 747 upper wing surface for some runs to allow observation of stall progression. The tufts were located approximately 1" apart both spanwise and chordwise. Two rows were parallel to the wing leading edge; the first row about 1/4" aft of the leading edge and the next row about 1" aft. Two spanwise rows were placed parallel to the wing trailing edge, the first row was near the trailing edge and the other row was 1 inch forward of the trailing edge. An additional row of tufts was put between the two forward and two aft rows and split the distance between them from the root to about half way out from the wing root. Two rows of tufts were located on the inboard flaps one row on the inboard aileron and one row on the outboard flaps. Two runs were conducted with the tufts. Photographs of flow patterns shown during these runs can be obtained from the aerodynamics analysis engineers.

TEST FACILITY DESCRIPTION

The Langley V/STOL facility is a closed circuit, single return, continous flow, atmospheric type wind tunnel, which can be operated as a closed tunnel with slotted walls or as one or more open configurations by removing the side walls and ceiling. The speed in the 14.5 foot high by 21.75 foot wide by 50 foot long test section is variable from 0 to 200 knots. This tunnel has a contraction ratio of 9 to 12 and is powered by an 8000 hp. main drive.

This tunnel is capable of force, moment and pressure studies. A moving belt ground board with boundary layer suction and variable speed capabilities for operation at test section flow velocities can be installed for ground effects tests. A universal model support system utilizes a three joint rotary sting with $\pm 45^{\circ}$ of pitch, $\pm 45^{\circ}$ of yaw and 6 feet of vertical traverse. This system is mounted on a horizontal turntable with $\pm 165^{\circ}$ of rotation. Models can be powered with either high pressure air (15 lb/sec at 5,000 psia) or variable frequency electric systems. Data are recorded with 60 channels and reduced off site.

DATA REDUCTION

All aerodynamic forces and moments acting on the combined 747 and Orbiter, were reduced to stability axis coefficients using carrier reference dimensions and reference moment center (Figure 2f).

Subsequently, the data were corrected for

- tunnel upflow
- tunnel blockage
- tunnel wall interference

In the following paragraphs, each of these wind tunnel corrections will be discussed in detail.

The upflow was measured in the LaRC V/STOL wind tunnel by testing the 747 model in the upright and inverted position at three different heights (87, 65 and 45 inches above the tunnel floor), and it was 0.15 degrees for all three heights. Therefore, all "free air" data, 747 as well as Orbiter, were corrected for an upflow of 0.15 degrees.

The "ground effect" data were also corrected for upflow, but the correction varied with height above the tunnel floor. As it was impossible to measure the upflow angle near the ground, it was decided to calculate the upflow angle. This was done by assuming that the upflow angle at the floor boundary layer displacement thickness was $d\delta^*/dx$ and that the upflow angle at the wall was zero. Furthermore, it was assumed that the upflow angle varied with height according to a power law. These assumptions led to the following expression for the upflow angle.

$$\Delta\alpha_u = 0.15 \frac{Y}{87} \frac{1}{10.96}$$

where: Y = the height of the 0.25 MAC of the 747 wing above the tunnel floor in inches.

The "ground effect" data were corrected by calculating the upflow angle for a given height of the 0.25 MAC of the 747 wing above the tunnel floor and applying this upflow angle to both the 747 carrier and the Orbiter.

All data were corrected for tunnel blockage effects (reference 3) by multiplying the measured dynamic pressure, q_{meas}, by a factor $(1 + 2\,E_T)$ as shown on the next page.

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$$q_{corr} = q_{meas} (1 + 2 E_T)$$

where:

$E_T = E_{SB} + E_{WB}$

E_{SB} = solid blockage factor

E_{WB} = wake blockage factor

The solid blockage factor, E_{SB}, was 0.00108 for the 747 alone and 0.00141 for the 747/Orbiter configuration (using standard methods described in reference 3). These values include the 506 swept blade strut. The wake blockage factor, E_{WB} was determined as follows:

$$E_{WB} = \frac{1}{4} \frac{S}{C} C_{D_o} + 5 \frac{S}{4C} (C_D - C_{D_o} - C_{D_i})$$

where: $C_{D_o} = C_{D_{\alpha_w=0}} - (0.04573 + A_2) C_{L_{\alpha_w=0}}$

$C_{D_i} = 0.04573 C_L^2 + A_2 C^2_{L_{\alpha_w=0}}$

where: $A_2 = 0$ for flap up

$A_2 = 0.03016$ for flap down (reference 4)

Both the "free-air" and "ground effect" data were corrected for wind tunnel wall interference using the following equation:

$$\Delta\alpha_w = \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

However, the constant, δ_{WC} is 0.1157 for the free air data and δ_{WC} is a function of the model height for the "ground effect" data. These corrections apply for both the 747, the Orbiter, and the mated configurations.

For the horizontal tail, the wall interference correction is:

$$\Delta\alpha_t = - \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

where: $\delta_{WC} = 0.0062$ for "free air" data

but: $\delta_{WC} = 0$ for "ground effect" data

DATA REDUCTION - (Continued)

The final data reduction was performed in two steps:

Step One: All aerodynamic coefficients were corrected for blockage effects as described above

Step Two: All aerodynamic coefficients were then recomputed by rotating the lift and drag coefficients through an angle $\Delta\alpha$ which is the sum of the wall induced upflow $\Delta\alpha_{WC}$ and the upflow $\Delta\alpha_u$ as described in the preceding paragraphs.

The corrected lift and drag coefficients are:

$$C_L = C_{L_{meas}} \cos\Delta\alpha - C_{D_{meas}} \sin\Delta\alpha$$

$$C_D = C_{D_{meas}} \cos\Delta\alpha + C_{L_{meas}} \sin\Delta\alpha$$

The pitching moment coefficients are also corrected using the following equation:

$$C_M = C_{M_{meas}} + \Delta\alpha_t \frac{\partial C_m}{\partial \alpha}$$

Orbiter aerodynamic coefficients measured about the orbiter moment reference point were transferred to the carrier moment reference center. (See figure 2f). The transfer distances used are a function of orbiter incidence angle (i_{orb}). Equations used in computing the X and Z coordinate transfer distances are given below:

$$X = 10.684 - 9.477 \cos (27.336 + i_{orb}).$$

$$Z = 8.368 + 9.477 \sin (27.336 + i_{orb}).$$

All aerodynamic forces and moments were reduced to coefficient form in stability axis systems, utilizing carrier reference dimensions:

Symbol	Description	Model Scale	Full Scale
S	747 wing area, ft^2	8.8	5500
b	747 wing span, in.	93.92	2348
$\bar{c}$	747 wing mean aerodynamic chord, in	13.112	327.8

Symbol	Description	Model Scale	Full Scale
X_{MRP}	747 longitudinal moment reference point, in. X_c	53.596	1339.91
Y_{MRP}	747 lateral moment reference point, in. Y_c	0.0	0.0
Z_{MRP}	747 vertical moment reference point, in. Z_c	7.63	190.75
X_{MRB}	747 longitudinal balance moment center, in. X_c	54.596	1364.90
Y_{MRB}	747 lateral balance moment center in. Y_c	0.0	0.0
Z_{MRB}	747 vertical balance moment center, in. Z_c	9.25	231.25

Aerodynamic forces and moments measured by the Orbiter internal balance were reduced to coefficient form in stability axis systems utilizing Orbiter reference dimensions. Orbiter reference dimensions are:

Symbol	Description	Model Scale	Full Scale
S	Orbiter wing area, ft^2	4.412	2690
b	Orbiter wing span, in.	37.935	936.68
$\bar{c}$	Orbiter wing mean aerodynamic chord, in.	19.230	474.81
X_{MRP}	Orbiter longitudinal moment reference, in. X_o	44.914*	1109.0
Y_{MRP}	Orbiter lateral moment reference point, in. Y_o	0.0*	0.0
Z_{MRP}	Orbiter vertical moment reference point, in. Z_o	15.188*	375.0

* Orbiter moment reference center is also Orbiter balance moment reference center.

Average base pressure coefficients were calculated as follows:

$$C_{p_{14}} = (C_{p_1} + C_{p_4})/2$$
$$C_{p_{25}} = (C_{p_2} + C_{p_5})/2$$
$$C_{p_{36}} = (C_{p_3} + C_{p_6})/2$$

RESULTS AND DISCUSSION

The data from this test correlates well with existing free air low speed aerodynamic characteristics and has provided a data base to define low speed aerodynamic characteristics in pitch for mated CAM/Orbiter configurations for take off and landing and to define ground proximity effects. The use of faired Orbiter Support Struts instead of the current unfaired design does not significantly affect the pitch axis stability and control results obtained.

The significant test results affecting the performance, stability, and control characteristics of the 747 in combination with the Space Shuttle Orbiter configuration are:

- The maximum lift coefficients of the mated configurations are greater than of the 747 alone configurations and increase with increasing Orbiter incidence angle.
- The wing angle of attack of the mated configurations at lift-off is less than that of the corresponding configurations in free air (e.g. at flap 10; 1.3,$\Delta\alpha$ =-1.8°). This ground effect is similar to that on the basic 747.
- The Orbiter has a small effect on the position error corrections for airspeed and altitude (less than 2 knots on the airspeed and less than 80 feet on altitude.)
- Static longitudinal stability is reduced at flaps 20 and 30 (up to 0.10 $\bar{c}$ for Orbiter incidence = 8° with tailcone off) compared to the basic 747. This may affect the choice of aft c.g. for some AIT operations.
- Mated configuration stabilizer effectiveness is comparable to that of the basic 747. Effectiveness is reduced slightly with increasing Orbiter incidence.
- Trailing edge down elevator effectiveness is comparable to the basic 747 values. Trailing edge up elevator effectiveness is reduced up to 25% at flaps 20 and 30 for the highest Orbiter incidence angle of 8°. At this incidence angle there will be some loss of stabilizer mistrim takeoff capability. There is sufficient trailing edge up elevator

control for landing flare and go-around.

- Effect of ground proximity on mated configuration pitch characteristics and control effectiveness was found to be similar to that determined for the basic 747 from previous testing.
- The "pitch-up loop" at stall is slightly more adverse for the mated configurations than for the basic 747 for flap 30. Nose-down elevator authority is adequate to compensate for this additional nose-up pitching moment should an inadvertent stall occur.

REFERENCES

1. Boeing DTF CAM 75-0009 "Summary Preliminary CA8 Test Results," September 24, 1975

2. Louisse, J. Boeing Document D180-18382-1", "Pretest Information for Testing the 747/Orbiter in the NASA Langley V/STOL Transition Research Wind Tunnel," August 11, 1975

3. Pope, A "Low-Speed Wind Tunnel Testing" Chapter 5, John Wiley and Sons, Inc., New York/London.

4. T.L. Wimer "Principles and Operational Procedures of the UWAL Data Reduction Programs," UWAL Report IV-D, December 1966

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TABLE I

TEST : LaRC V/STOL 129 | DATE : Post Test

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.15	1.0×10^6	.243	90-95
0.19	1.3×10^6	.374	90-95
0.21	1.4×10^6	.417	90-95

BALANCE UTILIZED: 747-Boeing 635D Internal
Orbiter-Boeing 6176B Internal

	CAPACITY: 747 Balance	Capacity Orbiter Balance	COEFFICIENT TOLERANCE:
NF	3160 LB	1000 LB	
SF	1580 LB	500 LB	
AF	240 LB	130 LB	
PM	9000 IN-LB	2000 IN-LB	
RM	4200 IN-LB	800 IN-LB	
YM	4200 IN-LB	800 IN-LB	

COMMENTS: 1. "747" Model was mounted on the 635D internal balance and measured 747 and 747 + Orbiter loads.

2. The Orbiter was mounted on the 6176B internal balance and measured orbiter loads while mounted on the 747.

TABLE II.

TEST : CA8(LRC VSTOL 129) · DATA SET/RUN NUMBER COLLATION SUMMARY · DATE : 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δf	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RJF001	K_1 $V_{9.1.2}$ TS_1	①	0	–	–				TUNNEL RUN NUMBER CORRESPONDS TO LAST THREE DIGITS OF THE DATA SET IDENTIFIER
02	$H_{15.1}$	↓	↓	3	0				
03	F_{10} TS_2	②		-2	↓				
04	F_{10} TS_2	③		↓	↓				
05		↓			17				
06		①			10				
07	LOOSE TAPE ON RH. STAB LL.				-10				
08					-10				
09				↓	-23				
10				-4	0				
11				0.	↓				
12	$G_{5.3.5}$	↓		-2	↓				
13	K_1 $V_{9.1.2}$ F_{20} $H_{15.1}$	②		–	–				
14	F_{20} $H_{15.1}$	↓		–	–				
15	$H_{15.1}$	①		-6	0				
16		↓		-4	↓				
17		②		-2					
18	$G_{5.3.5}$	①	↓	-2	↓				

* (R D/S (CARRIER, DATA – CARRIER REFERENCE) 37 43 49 55 61 67 (OR) GP 75 76

BETA, IQ(P,S,F), IGL, IGD, IGLM, IGLN, IGSL, IGY, MACH, IALPHAW

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

COEFFICIENTS

① α = -2° to 26°, Δ=2°

② α = -2° to 4°, Δ=2° & 14° to 26°, Δ=1°

③ α = -2° to 14°, Δ=2° & 14° to 26°, Δ=1°

TEST RUN NUMBERS

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

* P & T schedule of coefficients follow on the next two pages.

K_1 = B29BW45M25M26N57N58T14 (Bottom support sting)

TABLE II. Continued

TEST: CA8(LRC VSTOL.129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RJF019	$K_1V_{9.1.2}F_{2.0}H_{15.1}$ T_{S_2}	1	0	-4	17				
20	←	↓	↓						
21									
22									
23	$K_1V_{9.1.2}F_{3.0}H_{15.1}G_{5.3.5}$								
24									
25	LOOSE TAPE ON STAB								
26									
27				↓					
28				-6	0				
29		↓		-4	↓				
30	LOOSE TAPE ON STAB	2		-2					
31	↓			-2	↓				
32	$K_1V_{9.1.2}F_{3.0}$ $G_{5.3.5}$	↓		-	-				
33	←	8		↓	↓	← NO DATA →			
34	T_{S_2}	2		↓	↓				
35	$K_2V_{9.1.2}F_{3.0}H_{15.6.1}$ $O_1T_{S_2}T_{S_4}$	1		-6	0	3	0	-11.7	
36	→ $O_1T_{S_4}T_{S_5}$	↓	↓	-6	0	3	0	-11.7	

TEST RUN NUMBER

1 P D/S (CARRIER NOSE PRESSURE DATA) 37 43 49 55 61 67 (OR) GP 75 76

BETA, IQ(PSF), CP1, CP2, CP3, CP4, CP5, CP6, MACH, ALPHAW

COEFFICIENTS — IDVAR(1) IDVAR(2) NDV

α OR β SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$K_2 = K_1 + AT_{107} + AT_{111.4}$ (CAM kit for ferry)

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δ	CARRIER δ_e	ORBITER i_{ORB}	ORBITER δ_e	ORBITER δ_{BF}	MACH NUMBERS
RJF037	$K_2V_{9.1.2}F_{30}H_{15.4.1}G_{5.3.5}$	①	0	-4	0	3	0	-11.7	
38	$O_1T_{55}T_{54}$	②		-2	0				
39		①		-4	17				
40					10				
41					-10				
42					-23				
43	$K_2V_{9.1.2}F_{30}G_{5.3.5}O_1T_{55}T_{54}$			-	-				
44	K_3			-	-	6			
45	$H_{15.4.1}$			-4	0				
46				0					
47				3					
48		②		-2					
49		①		-2	17		-5		
50					10				
51					-10				
52					-23				
53				-4	0				
54		②		-2	0				

T D/S (ORBITER DATA TO ORBITER REFERENCE) 37 43 49 55 61 67 (OR) GP 75 76

BETA, Q(PS,F), ALPHA, Φ, CL, CD, CLM, CY, CLN, CSL, MACH, ALPHA(W)

COEFFICIENTS

α OR β SCHEDULES

IDVAR (1) IDVAR (2) NDV

TEST RUN NUMBERS

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

$K_3 = K_1 + AT_{106} + AT_{111.3}$ (CAM kit for launch)

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δ	CARRIER δ_e	ORBITER i_{ORB}	ORBITER δ_e	ORBITER δ_{BF}	MACH NUMBERS
RJF055	$K_3V_{9,1,2}F_{30}H_{15,6,1}G_{5,3,5}O_2\ T_{SS}\ T_{S4}$	1	0	0	0	6	-5	-11.7	
56		2	↑	-	-	↓	↑	↑	
57		↓		-	-	8			
58	$H_{15,6,1}$	1		-4	0	↑			
59				0	↓				
60				-2	↓				
61				↓	17				
62					-23	↓		↓	
63	O_2				-23	6		0	
64					-10	↑		↑	
65					10				
66		↓			17				
67		2		↓	0				
68		1		-4	↓				
69		↓		0					
70	$+\dot{p}s'$			-2					
71	$K_3V_{9,1,2}F_{30}H_{15,6,1}O_2T_{SS}T_{S4}$	2		-2	↓				
72	$G_{5,3,5}$	↓	↓	-	-	↓	↓	↓	

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IOVAR (1) IOVAR (2) NOV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δ	CARRIER δ_e	ORBITER i_{ORB}	ORBITER δ_e	ORBITER δ_{BF}	MACH NUMBERS	TEST RUN NUMBERS
RJF073	$K_3V_{9.1.2}G_{5.3.5}F_{20}TS_5O_2TS_4$	2	0	-	-	8	-5	0		
74	$+H_{15.6.1}$	1		-4	0					
75		2		-2						
76		1		0						
77	F_{20}	2		-2		6				
78	$K_3V_{9.1.2}F_{20}H_{15.6.1}TS_5O_2TS_4$	1		-4						
79	$K_3V_{9.1.2}F_{20}H_{15.6.1}TS_5O_2TS_4$	2		-2						
80		1		0						
81				3						
82	O_1TS_4			-4				-11.7		
83		2		-2						
84		1		0						
85	$K_3V_{9.1.2}F_{20}TS_5O_1TS_4$	2		-	-					
86	O_2			-	-			0		
87	O_1			-	-	8		-11.7		
88	$+H_{15.6.1}$	1		3	0					
89				0						
90				-4						

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δ	CARRIER δ_e	ORRITER i_{ORB}	ORRITER δ_e	ORRITER δ_{BF}	MACH NUMBERS	TEST RUN NUMBERS
RJF091	$K_3 V_{9.1.2} F_{20} H_{15.6.1} TS_8 O_1 TS_4$	2	0	-2	0	8	-5	-11.7		
092		1		-2	-23	8	-5			
093	K_2	1		-2	0	3	0			
094		2		-2						
095		1		-4						
096				-6						
097				OFF	OFF					
098	$H_{15.6.1}$			-4	-23					
099					17					
100	$K_{3.1}$ O_2				17	6	-5	0		
101					-23					
102	F_{10}			-2						
103	K_3									
104					17					
105				OFF	OFF					
106	$H_{15.6.1}$			-2	0					
107				0						
108				2						

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$K_{3.1} = K_1 + AT_{106} + AT_{111.3}$ (Sting replacing vertical mounted from above)

TABLE II. Continued

TEST: CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS
RJF109	$K_3V_{9.1.2}F_{10}H_{15.6.1}TS_5O_2TS_4$ 95.3.5	△	0	0	0	6	-5	0	
110	OFF +55					6	-5		
111						8°			
112				-2					
113				2					
114	$K_3V_{9.1.2}F_{10}TS_5O_2TS_4$			OFF	OFF				
115	K_2 F_{30} O_1					3	0	-11.7	
116	$K_2V_{9.1.2}H_{15.6.1}F_{10}TS_5O_1TS_4$			3	0				
117				0					
118				-4					
119				-2					
120					-23				
121	TS_6				17				
122	$K_2V_{9.1.2}F_0TS_6O_1TS_4$			OFF	OFF				
123	$H_{15.6.1}TS_6O_1TS_4$			-4	0				
124				-2					
125				0					
126	K_3			-4		6			

1 7 13 19 25 31 37 43 49 55 61 67 75

COEFFICIENTS IDVAR (1) IDVAR (2) NO

α OR β SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TEST RUN NUMBERS

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TABLE II. Continued

TEST: CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF127	$K_3V_{9.1.2}F_6H_{15.6.1}TS_6O_1TS_4$	①	0		-2	0	6	0	-11.7		
128	↓		↓		0	0	↓	↓	↓		
129	— —				OFF	OFF					
130	— O_2 —				↓	↓			0		
131	— $H_{15.6.1}$ —				-4	0			↓		
132	— —				0	↓	↓				
133	$K_{2.1}H_{15.6.1}F_{30}G_{5.3.5}TS_7O_1TS_4$	4		④	-2		3		-11.7		
134	↓	6		↓	↓		↓		↓		
135		8									
136		0									
137		2									
138		10									
139		12									
140		14									
141		16			↓						
142		0			-4						
143		2			↓						
149	↓	4	↓	↓	↓	↓	↓	↓	↓		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

④ GP = 2., 5., 14., 30., & 45.4 INCHES (GROUND Height) COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$K_{2.1} = K_1 + AT_{107} + AT_{111.4}$ (Sting replacing vertical mounted from above)

TABLE II. Continued

TEST: CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS
RJF 145	$K_{2.1}H_{15.6.1}F_{30}TS_7O_1TS_4G_{5.3.5}$	6	0	4	-4	0	3	0	-11.7	
146		8								
147		10								
148		12								
149		14								
150		16								
151		0			6					
152		4								
153		8								
154		6								
155		10								
156		12								
157		0			OFF	OFF				
158		4								
159		6								
160		8								
161		10								
162		12								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF 163	K2.1 F30 H15.6.1 G5.35 TS,0,TS4	0	0	4	-4	-23	3	0	-11.7		
164		4									
165		6									
166		8									
167		10									
168		12									
169	K3.1	0			-2		6	-5			
170		4									
171		6									
172		8									
173		10									
174		12									
175		4			0	0					
176		6									
177		8									
178		10									
179		12									
180		0									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES | COEFFICIENTS | IDVAR (1) | IDVAR (2) | NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS
RJF 181	$K_{3.1}F_{30}H_{15.6.1}G_{5.3.5}TS_7O_1$	0	0	△4	-2	0	6	-5	-11.7	
182	TS_4	4								
183		6								
184		8								
185		10								
186		12								
187		0			-4					
188		4								
189		6								
190		8								
191		10								
192		12								
193		0			OFF	OFF				
194		4								
195		6								
196		8								
197		10								
198		12								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RSF 199	K3.1F30H15.6.1G5.3.5TS1QTS1	0	0	4	-2	17	6	-5	-11.7	
200	↓	4								
201		6								
202		8								
203		10								
204		12				↓		↓		
205		0				0		0		
206		4				↓		↓		
207		6								
208		8								
209		10								
210	↓	12			↓			↓	↓	
211	O2	0			-4			-5	0	
212	↓	4			↓			↓	↓	
213		6								
214		8								
215		10								
216	↓	12	↓	↓	↓	↓	↓	↓	↓	

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

NASA MSF C-mAF

TABLE II. Continued

TEST: CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF217	K3.1F30 H15.6.1G53.5 TS7 O2 TS4	0	0	4	-2	0	6	-5	0		
218		4	"	"	"	"	"	"	"		
219		6									
220		8									
221		10									
222		12			↓						
223		0			0						
224		4			"						
225		6									
226		8									
227		10									
228	↓	12			↓	↓					
229	—	0			OFF	OFF					
230		4									
231		6									
232		8									
233		10									
234	↓	12	↓	↓	↓	↓	↓	↓	↓		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF 235	K3.1 F30 H15.6.1 G5.3.5 TS7.0, TS4	0	0	4	-2	-23	6	-5	0		
236	↑	4	T	T	T	T	T	T	T		
237		6									
238		8									
239		10									
240		12					↓				
241		0					8				
242		4					T				
243		6									
244		8									
245		10									
246	↓	12			↓	↓					
247	← →	0			OFF	OFF					
248	↑	4			T	T					
249		6									
250		8									
251		10									
252	↓	12	↓	↓	↓	↓	↓	↓	↓		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS*
RJF253	$K_{3.1}F_{30}G_{5.3.5}H_{15.6.1}TS_7O_2TS_4$	0	0	△5	0	0	8	5	0	
254		4								
255		6								
256		8								
257		10								
258		12								
259		0			-4					
260		4								
261		6								
262		8								
263		10								
264		12								
265		12								
266		0			-2					
267		4								
268		6								
269		8								
270		10								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

△5 GP = 2., 5., 14., 30., 45.4, & MAX, INCHES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δ_e	ORBITER δ_{BF}	MACH NUMBERS
RJF271	$K_{3.1}F_{30}G_{5.3.5}H_{15.6.1}TS_7O_2TS_4$	12	0	△5	-2	0	8	-5	0	
272		△6		54						
273	O_1	0		△5					-11.7	
274		4								
275		6								
276		8								
277		10								
278		12								
279		0			-4					
280		4								
281		6								
282		8								
283		10								
284		12								
285		0			0					
286		4								
287		6								
288		8								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES: △6 α = 4° to 12° Δ=2°

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

ASA-MS

TABLE II. Continued

TEST : CA8(LRC VSTOL 12S)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGUPATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δSF	MACH NUMBERS	TEST RUN NUMBERS
RJF289	K3.1F30G5.3S H15.6.1 TS7 O.1 TS4	10	0	5	0	0	8	-5	-11.7		
290		12									
291		0			OFF	OFF					
292		4									
293		6									
294		8									
295		10									
296		12									
297	H15.6.1	0			-2	-23					
298		4									
299		6									
300		8									
301		10									
302		12							0		
303	O_2	0									
304		4									
305		6									
306		8									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST: CA8(LRC VSTOL 12S) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RJF307	$K_{3,1}F_{10}G_{5.3,5}H_{15,6,1}TS_{7}D_{2}TS_{4}$	10	0	5	-2	-23	8	-5	0	
308		12								
309		0			OFF	OFF				
310		4								
311		6								
312		8								
313		10								
314		12								
315	$H_{15,6,1}$	0			-2	0				
316		4								
317		6								
318		8								
319		10								
320		12								
321		0			0	0				
322		4								
323		6								
324		8								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGUPATICN	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF 325	K3.1 F10 H15.6.1 G5.3.5 TS1 O2	10	0	5	0	0	8	-5	0		
326	TS4	12									
327		0			2						
328		4									
329		6									
330		8									
331		10									
332		12									
333		0			-2		6				
334		4									
335		6									
336		8									
337		10									
338		12									
339		0			0						
340		4									
341		6									
342		8									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES | COEFFICIENTS | IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 12°) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δc	ORBITER δBF	MACH NUMBERS*	TEST RUN NUMBERS
RJF343	$K_{3,1}F_{10}H_{15,6,1}G_{5,3,5}TS_2D_2TS_4$	10	0	5	0	0	6	-5	0		
344		12									
345		0			2						
346		4									
347		6									
348		8									
349		10									
350		12									
351		0			OFF	OFF					
352		4									
353		6									
354		8									
355		10									
356		12									
357	$H_{15,6,1}$	0			-2	-23					
358		4									
359		6									
360		8									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES _____ COEFFICIENTS _____ IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	ORBITER β	ORBITER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RJF 361	$K_{3.1}F_{10}H_{15.6.1}G_{5.3.5}TS_7O_2TS_4$	10	0	5	-2	-23	6	-5	0	
362		12								
363	$K_{2.1}$ — O_1	0					3	0	-11.7	← NO DATA →
364		7		44		0				
365		8		54						
366		7		44						
367		8		54						
368		7		44						
369		8		54						
370		9		CL						← NO DATA →
371		9								← NO DATA →
372	$K_{2.1}F_{30}$	9								← NO DATA →
373	$K_{3.1}F_{20}$	10		11			6	-5		
374	$K_{3.1}F_{10}$ — O_2	0		12					0	
375		4								
376		6								
377		8								
378		10								

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

7 α = 2, 3, 4, 6, & 8°

8 α = 4, 6, 8, 10, 12°

9 α = 16° to 24° Δ = 2°

10 α = 0 to 18° Δ = 2°

COEFFICIENTS

11 α/GP = 0°/24.25", 2°/35", 4°/45.25", 16° to 18°/45.4", 18°/45"

12 GP = 8, 5, 10, 14, 18, 30, 45.4, & MAX

*Nominal Mach = 0.155 ± 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

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TABLE II. Continued

TEST: CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF 379	K3.1 F10 H15.6.1 G5.3.5 TS1 O2 TS1	12	0	12	-2	0	6	-5	0		
380		0			2						
381		4									
382		6									
383		8									
384		10									
385		12									
386	Ke.1 — O,1	0		S	0	3	0	-11.7			
387		4									
388		6									
389		8									
390		10									
391		12									
392		0			-2						
393		4									
394		6									
395		8									
396		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IEVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 12°) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF397	$K_{2,1}F_{10}H_{15,6,1}G_{5,3,5}TS_7 \Delta TS_4$	12	0	5	-2	0	3	0	-11.7		
398		0			-4						
399		4									
400		6									
401		8			0						
402		10									
403		12									
404		0			OFF	OFF					
405		4									
406		6									
407		8									
408		10									
409		12									
410	$H_{15,6,1}$	0			-2	-23					
411		4									
412		6									
413		8									
414		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δSF	MACH NUMBERS	TEST RUN NUMBER
RJF415	$K_{2,1}F_{10}H_{15,6,11}G_{5,3,5}TS_7O_1TS_4$	12	0	5	-2	-23	3	0	-11.7		
416	F_{20}	0									
417		4									
418		6									
419		8									
420		10									
421		12									
422		0			OFF	OFF					
423		4									
424		6									
425		8									
426		10									
427		12									
428	$H_{15,6,11}$	0			-6	0					
429		4									
430		6									
431		8									
432		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 129) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ_s	CARRIER δ_e	ORBITER i_{ORB}	ORBITER δ_e	ORBITER δ_{BF}	MACH NUMBERS*	TEST RUN NUMBERS
RSF433	$K_{2,1}F_{20}H_{15,6,1}G_{5,3,5}TS_7DTS_1$	12	0	5	-6	0	3	0	-11.7		
434		0			-4						
435		4									
436		6									
437		8									
438		10									
439		12									
440		0			-2						
441		4									
442		6									
443		8									
444		10									
445		12									
446	F_{36}	0									
447		4									
448		6									
449		8									
450		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS	TEST RUN NUMBERS
RJF 451	$K_{2.1}F_{30}H_{15.6.1}G_{3.3.5}TS_7O_1TS_4$	12	0	△5	-2	0	3	0	-11.7		
452	$K_{3.1}F_{20}$	0					6				
453		4									
454		6									
455		8									
456		10									
457		12									
458		0						-5			
459		4									
460		6									
461		8									
462		10									
463		12									
464		0									
465		4									
466		6									
467		8									
468		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS	TEST RUN NUMBERS
RJF 469	K3.1 F20 H15.1 G5.3 T5 Q T5	12	0	5	-2	0	6	-5	-11.7		
470		0			-4						
471		4									
472		6									
473		8									
474		10									
475		12									
476		0			0						
477		4									
478		6									
479		8									
480		10									
481		12									
482		0			OFF	OFF					
483		4									
484		6									
485		8									
486		10									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

NASA-MSFC-MAF

TABLE II. Continued

TEST: CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δ	CARRIER δe	ORBITER i_{ORB}	ORBITER δe	ORBITER δ_{BF}	MACH NUMBERS
RJF 487	$K_{3.1}F_{20}$ $G_{5.3.5}TS_7D_1TS_4$	12	0	△5	OFF	OFF	6	-5	-11.7	
488	$H_{15,6,1}$	0			-2	17				
489		4								
490		6								
491		8								
492		10								
493		12								
494		0				23				
495		4								
496		6								
497		8								
498		10		△5+						
499		12		△5						
500		0		11.0			8			
501		4		△13						
502		6		△14						
503		8		△13						
504		10		△14						

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

△5+ = △5 + REPEAT @ 2,5,14 inches

△13 GP = 2,5,14 & 45.4 inches

△14 GP = 2 & 45.4 inches

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

NASA MSFC-A-

TABLE II. Continued

TEST : CA8(LRC VSTOL 12°) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER iORB	ORBITER δe	ORBITER δBF	MACH NUMBERS
RJF505	$K_{3,1}F_{20}H_{15.6.1}G_{5.3.5}TS_7O_1TS_4$	12	0	15	-2	-23	8	-5	-11.7	
506		0		11.0	OFF	OFF				
507		4		13						
508		6		14						
509		8		13						
510	$K_{1,2}F_{30}H_{15.6.1}G_{5.3.5}TS_2$	10		65.0	-6	0	-	-	-	
511					-4	0				
512					-2	0				
513	$K_{1,2}F_{30}G_{5.3.5}TS_2$				OFF	OFF				
514	$K_{1,2}TS_1$									
515				87.0						
516				45.0						
517	$H_{15.1}$			45.0	-2	0				
518				87.0						
519				65.0						
520					0					
521	$K_{1,2}H_{15.1}TS_1$				-4					
522	$K_{1,2}H_{15.1}TS_1$ INVERTED									

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

$K_{1,2}$ = B29BW45M25M26N57N58T14 (Sting mounted midbody from above)

TABLE II. Concluded

TEST : CA8(LRC VSTOL 129) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE : 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER α	CARRIER β	CARRIER GP	CARRIER δs	CARRIER δe	ORBITER i_{ORB}	ORBITER δ_B	ORBITER δ_{BF}	MACH NUMBERS	TEST RUN NUMBERS
RJF523	$K_{1,2}$ $H_{15,1}$ TS_1 INVERTED	10	0	65	-2	0	—	—	—		
524	↓	↓	↓	87	-2	0					
525	↓			65	0	0					
526	$K_{1,2}$ TS_1 INVERTED			45	OFF	OFF					
527	↓			65	↓	↓					
528	↓			87							
529	$K_{1,2}$ F_{30} TS_2 INVERTED			65							
530	↓			87	↓	↓					
531	$K_{1,2}$ $H_{15,1}$ F_{30} TS_2 INVERTED			65	-2	0					
532	↓			87	-2	↓					
533	↓			65	-4						
534	↓			87	-4						
535	$K_{1,2}$ $H_{15,6,1}$ F_{30} TS_4 INVERTED			↓	-2						
536	↓	↓	↓	↓	-4	↓					

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE III. MODEL DIMENSIONAL DATA
a. Carrier

MODEL COMPONENT: AILERON - A_1

GENERAL DESCRIPTION: Inboard aileron extending from WBL 17.80 to 20.58.

747 MODEL SCALE: 0.040 MODEL 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	FULL SCALE	MODEL SCALE
Area - Ft^2		
Planform	35.9	0.057
Span (equivalent)	5.79 FT	2.78 IN
Chords:		
Inboard	5.48 FT	2.632 IN
Outboard	7.34 FT	3.522 IN

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENTS: AILERON - A_2

GENERAL DESCRIPTION: Outboard aileron extending from WBL 33.96 to WBL 44.58

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	FULL SCALE Feet	MODEL SCALE Inches
Area - Ft^2		
Planform	76.7	0.123
Span (equivalent)	22.12	10.62
Chords:		
Inboard	4.0	1.920
Outboard	2.9	1.392

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{106}

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly to support forward part of Orbiter. Struts have a streamlined "gaiter" fairing with 18.2 in. chord. The strut terminals on the 747 have streamlined fairing.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-685. S 0. 1284-192, -193 -196, -199, -200 -203, -208 -211

DIMENSIONS:	FULL SCALE	MODEL SCALE
Attach Points on 747 $i_o = 6^o$		
No. of struts	4	4
Diameter in. Main (2)	8.5	.340
Diameter in. Sway Braces (2)	3.13	.125
Location in.		
BS 747	680	27.2
BWL 747	372	14.88
BBL 747	66.3	2.65
Attach point on Orbiter		
BS 747	684.87	27.40
BWL 747	512.61	20.50
BBL	0	0
BS Orbiter	388.15	15.526
WL Orbiter	283.11	11.32

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{107}

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly to support forward part of Orbiter - struts have a streamlined fairing with 18.33 inch chord. The strut terminals on the 747 and Orbiter have streamlined fairings.

MODEL SCALE: 0.040

DRAWING NO.: 747-MD-685 S.O. 1284-192,-193,-194,-198,-200,-203,-208 -211

DIMENSIONS:	FULL SCALE	MODEL SCALE
Attach point on 747: ($i_o = 3^o$)		
Number of struts	2	2
Diameter, in. (Main 2)	5.0	.200
Location, In.		
BS 747	680	27.2
BWL 747	372	14.88
BBL 747	66.3	2.65
Attach point on Orbiter		
BS 747	680.24	27.21
BWL 747	464.20	18.57
BBL 747	0	0
BS Orbiter	388.15	15.53
WL Orbiter	283.11	11.32

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - $AT_{111.3}$

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway braces have streamlined fairings with following chords: Main - 78 in., R.H. Sway Brace 34.73 in., L.H. Sway Brace 18.05 in. Terminals on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-686, S.O. 1284-201, -202, -206

DIMENSIONS:		FULL SCALE	MODEL SCALE
Attach points on 747			
Number of Struts		6	6
Diameter In.	Fwd. Legs (2)	12	.48
	Aft Legs (2)	12	.48
	R.H. Sway Brace	6.25	.25
	L.H. Sway Brace	3.25	.13
Location In.			
	BS 747	1445.3	57.81
Fwd.	BWL 747	322.98	12.92
	BBL 747	96.5	3.86
	BS 747	1607	64.28
	BWL 747	329.0	13.16
	BBL 747	96.5	3.86
Attach point on Orbiter			
	BS 747	1607	64.28
	BWL 747	400	16.00
	BBL 747	96.5	3.86
	BS Orbiter	1317	52.68
	WL Orbiter	267.50	10.70

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - $AT_{111.4}$

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway brace have streamlined fairings with following chords: Main - 78 in., R.H. sway brace 34.73 in., terminal on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO. 747-MD-686, S.O. 1284-201,-202,-206

DIMENSIONS:		FULL SCALE	MODEL SCALE
Attach points on 747			
Number of struts		6	6
Diameter In.	Fwd. Legs (2)	12	.48
	Aft Legs (2)	12	.48
	R.H. Sway Brace	6.25	.25
Location In.			
BS 747		1445.3	57.81
Fwd. BWL 747		322.98	12.92
BBL 747		96.5	3.86
BS 747		1607	64.28
Aft BWL 747		329.0	13.16
BBL 747		96.5	3.86
Attach point on Orbiter			
BS 747		1607	64.28
BWL 747		400	16.00
BBL 747		96.5	3.86
BS Orbiter		1317	52.68
WL Orbiter		267.50	10.70

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B29B

GENERAL DESCRIPTION: Fuselage for the 747-100/200 airplane

Body spar places V-9.1.2 1/4 MAC at MS 101.197 and WL 21.12

Incidence block locates W45 1/4 MAC at MS 53.596. WL 7.63 and BL 19.614

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71436, S.O. 1284-175, -182

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Length	225.17	108.08
Max. Width	22.71	10.90
Max. Depth Height	25.52	12.25
Fineness Ratio	10.57	10.57

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - $F_{8.1}$

GENERAL DESCRIPTION: Inboard, double slotted trailing edge flap extending from WBL 5.138 to WBL 17.800. Used for 10° and 20° flap deflections.

747 (MODEL SCALE: 0.040) MODEL: 1065

DRAWING NO.: S.O. 1065-43, -45, -85, -194

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Span (equivalent)	26.38	12.662
Main flap chord	8.83	4.24
Fore flap chord	3.42	1.64

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - $F_{8.2}$

GENERAL DESCRIPTION: Outboard, double slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 10° and 20° flap deflections.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-32, -33, -89, -135, -192, -193

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Span (equivalent)	25.58	12.28
Main flap:		
Inb'd equivalent chord	6.90	3.313
Outb'd equivalent chord	5.15	2.47
Fore flap:		
Inb'd equivalent chord	2.5	1.20
Outb'd equivalent chord	2.04	0.98

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.1

GENERAL DESCRIPTION: Inboard triple slotted trailing edge flap extending from WBL 51.38 to WBL 17.800. Used for 30° flap deflection.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-43 -45, -123

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Span (equivalent)	26.38	12.662
Chord (equivalent)		
Main Flap	8.83	4.24
Fore Flap	3.42	1.640
Aft Flap	3.52	1.688

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.2

GENERAL DESCRIPTION: Outboard triple slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 30° flap deflection.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-32, -33, -123

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Span (equivalent)	25.58	12.28
Chord (equivalent)		
Main flap		
Inboard	6.90	3.313
Outboard	5.15	2.470
Fore flap		
Inboard	2.50	1.200
Outboard	2.04	0.980
Aft flap		
Inboard	2.79	1.341
Outboard	2.03	.974

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G5.3.5

GENERAL DESCRIPTION: Landing Gear; Full Length Struts, Oleo Extended, all Doors On. Mounting Brackets All Flush With Body

MODEL SCALE: 0.40 MODEL: 1065

DRAWING NUMBER: S.O. 1065-103, -104, -105, -108, -196, 1284-197

DIMENSIONS: MODEL SCALE

LANDING GEAR STRUT	Nose	Main Wing	Main Body	
Number	1	2	2	
Diameter in.	.5	.5	.5	
Length in.				
Exposed	4.0	6.12	3.47	
Pivot Point to Wheel Axis	3.67	5.72	3.07	
WHEELS				
Number	2	8	8	
Diameter in.	1.84	1.84	1.84	
Width in.	.64	.64	.64	
Axis Location in.				
B.S.	15.60	53.70	58.50	
B.L.	0	8.68	3.00	
W.L.	.49	.16	.16	
DOORS Side				
Number	2	2	2(inbd)	2(outbd)
Length in.	2.45	2.32	3.66	1.56
Height in.	.94	3.89	2.32	.92

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - $H_{15.1}$

GENERAL DESCRIPTION: Swept leading edge horizontal tail mounted on the fuselage with the variable incidence pivot axis located at MS 103.76 and WL 11.70

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: 65-74129

DIMENSIONS:	FULL SCALE Feet	MODEL SCALE Inches
TOTAL DATA		
Area		
Planform	1470.0 sq.ft.	2.35 sq.ft.
Span (equivalent)	72.75	34.92
Aspect Ratio	3.6	3.6
Taper Ratio	0.25	0.25
Dihedral Angle, degrees	7	7
Incidence Angle. degrees	VARIABLE	VARIABLE
Sweep Back Angles, degrees		
Leading Edge	43	43
Trailing Edge		
0.25 Element Line	37.5	37.5
Chords:		
Root (Wing Sta. 0.0)	32.33	15.520
Tip, (equivalent)	7.92	3.802
MAC	271.6 in.	10.864
Fus. Sta. of .25 MAC	2564 in.	102.56
W.P. of .25 MAC	311.25 in.	12.45
B.L. of .25 MAC	178.30 in.	7.132

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - H15.6.1

GENERAL DESCRIPTION: H15.1 with 200 sq. ft. tip fins mounted on the horizontal at HBL 17.22 in vertical plane at BBL 17.09 with a streamlined strut fairing.

747 MODEL SCALE: 0.040 MODEL: 1065, 1284

DRAWING NO.: S.O. 1284-78, -80, -70, -187

DIMENSIONS: (One fin)	FULL SCALE	MODEL SCALE
	Feet	Inches
Area	200 sq. ft.	46.1 sq. in.
Chord	9.54	4.582
Span	20.96	10.06
Max. Thickness	0.86	0.412
Strut Fairing		
Chord	2.64	1.267
Thickness	.40	.190

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - $J_{11.10.2}$

GENERAL DESCRIPTION: Leading edge flap located between the inboard and outboard nacelle struts. The outboard end was sealed to the outboard nacelle strut with wax.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-64, -96, -127

DIMENSIONS:	FULL SCALE	MODEL SCALE
	Feet	Inches
Span (equivalent)	30.33	14.56
Equivalent chord	2.63	1.263

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - $J_{13.8.1}$

GENERAL DESCRIPTION: Leading edge flap located between the outboard nacelle strut and the wing tip. (WBL 6.491 to WBL 45.696.)

727 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-65, 96-133

DIMENSIONS:	FULL SCALE Feet	MODEL SCALE Inches
Span (equivalent)	19.18	9.205
Equivalent chord	2.0	0.964

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: KRUEGER - $L_{9.8.3}$

GENERAL DESCRIPTION: Inboard leading edge Krueger extending from WBL 9.763 to inboard nacelle strut.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-75, -76, -77, -82, -131

DIMENSIONS:	FULL SCALE Feet	MODEL SCALE Inches
Span (equivalent)	18.83	9.037
Inb'd equivalent chord	2.46	1.183
Outb'd equivalent chord	2.63	1.261
Twist Deg.	9	9

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M_{25}

GENERAL DESCRIPTION: Inboard nacelle strut located at WBL 18.80 at the wing leading edge.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46

DIMENSIONS:	FULL SCALE	MODEL SCALE
Canted inboard, deg.	2	2
For use with		N_{57} & N_{77}
WBL location		18.800

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M_{26}

GENERAL DESCRIPTION: Outboard nacelle strut located at the wing leading edge.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46, -350

DIMENSIONS:	FULL SCALE	MODEL SCALE
Canted inboard, deg.	2	2
WBL location		33.360
For use with		N_{57} & N_{78}

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N_{57}

GENERAL DESCRIPTION: Flow-through inboard 747-100 nacelle mounted on nacelle strut at WBL 19.761. Nacelle centerline canted inboard 2°.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

DIMENSIONS: - FT.	FULL SCALE	MODEL SCALE
Length:		
Cowl	8.6	.344
Cowl + Engine	17.9	.716
Max diameter	8.5	.340
Hilite diameter	7.3	.292

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N_{58}

GENERAL DESCRIPTION: Flow-through outboard 747-100 nacelle mounted on strut at WBL 33.960. Nacelle centerline cented 2° inboard.

MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

DIMENSIONS: - FT.	FULL SCALE	MODEL SCALE
Length:		
Cowl	8.6	.344
Cowl + Engine	17.9	.716
Max diameter	8.5	.340
Hilite diameter	7.3	.292

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SPOILERS - S_{1-12}

GENERAL DESCRIPTION: Multi-panel flight spoilers. Four outboard and two inboard spoilers per side. Subscript denotes spoiler panel S_1 is the most outboard L.H. panel and S_{12} is most outboard R.H. panel.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450, S.O. 1065-51, -59, -81, -173

DIMENSIONS: (One panel)	FULL SCALE Feet	MODEL SCALE Inches
Outboard S_{1-4} and S_{9-12} (Ft^2)	21.48	0.034
Span (equivalent)	6.25	3.00
Chord	3.44	1.65
Inboard S_{5-6} and S_{7-8} (Ft^2)	35.31	.0565
Span (equivalent)	7.50	3.60
Chord	4.71	2.26

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP TRACK FAIRING - T_{14}

GENERAL DESCRIPTION: Fairings located at WBL 9.408, 14.120, 23.299 and 29.753.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-84, -124,-135

DIMENSIONS:	FULL SCALE Inches	MODEL SCALE Inches
WBL locations	235.2	9.408
	353.0	14.120
	584.98	23.399
	743.83	29.753
Use with clean wing and		F8.1
		F8.2
		F9.1
		F9.2

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V9.1.2

GENERAL DESCRIPTION: Swept vertical tail mounted on fuselage center-line.

MODEL SCALE: 0.040

DRAWING NUMBER: 65-74142, S.O. 1065-6, -359, -426, S.O. 1284-182

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2	830	1.328
Planform		
Span (Theo) - In.	386.50	15.46
Aspect Ratio	1.25	1.25
Taper Ratio	0.34	0.34
Sweep-Back Angles, Degrees		
Leading Edge	50.125	50.125
Trailing Edge	67.813	67.813
Chords:		
Root (Theo) WP	461.55	18.478
Tip (Theo) WP	156.93	6.277
MAC	334.16	13.37
Fus. Sta. of .25 MAC	2529.91	101.197
W.L. of .25 MAC	528.0	21.12
B.L. of .25 MAC	0	0

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: WING W_{45}.

GENERAL DESCRIPTION: Swept wing of the 747-100 Airplane

747 MODEL SCALE: .040 MODEL: 1065

DRAWING NUMBER: 65-71450, 65-71436, 65-71449

DIMENSIONS:	FULL SCALE Inches	MODEL SCALE Inches
Area		
Planform	5500 Ft^2	8.80 Ft^2
Span (equivalent)	195.67 Ft	93.92
Aspect Ratio	6.96	6.96
Taper Ratio	0.356	0.356
Dihedral Angle, degrees	7	7
Incidence Angle. degrees	2	2
Sweep Back Angles, degrees		
Leading Edge	42.30	42.30
0.25 Element Line	37.5	37.5
Chords:		
Root (Wing Sta. 0.0)	652.0	26.081
Tip (equivalent)	160.0	6.40
MAC	327.78	13.112
Fus. of .25 MAC	1339.91	53.596
W.P. of .25 MAC	190.75	7.63
B.L. of .25 MAC	490.35	19.614

TABLE III. MODEL DIMENSIONAL DATA (Continued)
b. Orbiter

MODEL COMPONENT: BODY - B_{26}

GENERAL DESCRIPTION: Configuration 140A/B Orbiter fuselage

NOTE: B_{26} is identical to B_{24} except underside of fuselage has been refaired to accept W_{116}.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-101185 RELEASE: 3

DRAWING NUMBER: VL70-000143B, -000200, -000205, -006089, -000145, VL70-000140A, -000140B

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta X_o = 235), In.	1293.3	52.379
Length (IML: Fwd Sta X_o = 238), In.	1290.3	52.257
Max Width (@ X_o = 1528.30), In.	264.0	10.692
Max Depth (@ X_o = 1464), In.	250.0	10.125
Fineness Ratio	0.26357	0.26357
Area - Ft^2		
Max. Cross-Sectional	340.88	0.559

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C_9

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B_{26}.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-400147; RELEASE 12

DRAWING NUMBER: VL70-000143A

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_o = 434.643 to 578), In.	143.357	5.806
Max Width (@ X_o = 513.127),	152.412	6.173
Max Depth (@ X_o = 485.0)	25.000	1.013

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLOTTED ELEVON (6-INCH GAP) - E_{44}

GENERAL DESCRIPTION: Configuration 140A/B orbiter elevon.

NOTE: E_{44} is a slotted version of E_{26}. Data are for one side.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000200, -006089, -006092

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area, Ft^2	210.0	0.344
Span (equivalent). In.	349.2	14.143
Inb'd equivalent chord, In.	118.004	4.779
Outb'd equivalent chord, In.	55.192	2.2353
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Trailing Edge	-10.056	-10.056
Hingeline	0.0	0.0
Area Moment (Product of Area & $\bar{c}$) Ft^3	1587.25	0.105
Mean Aerodynamic Chord, In.	90.7	3.673

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F8

GENERAL DESCRIPTION: Configuration 140A/B orbiter body flap. Hinge-line located at X_o = 1532.0. Z_o = 287.0

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-000140A. VL70-000145

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (X_o = 1521.4 to X_o = 1613)	91.60	3.71
Max Width, In.	262.00	10.61
Max Depth (@ X_o = 1520), In.	23.00	0.93
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional		
Planform	150.525	0.246
Wetted		
Base	41.84722	0.069

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M_{16}

GENERAL DESCRIPTION: Configuration 140C

Orbiter OMS pod - short pod.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta. X_o = 1310.5), In.	258.50	10.469
Max Width (@ X_o = 1511), In.	136.8	5.540
Max Depth (@ X_o = 1511), In.	74.70	3.025
Fineness Ratio	2.484	2.484
Area - Ft^2		
Max. Cross-Sectional	58.864	0.0966

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: MPS NOZZLES - N_{24}

GENERAL DESCRIPTION: Configuration 140A/B orbiter MPS nozzles.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-005030A, VL70-000140A

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane	157.0	6.36
Throat to Exit Plane	99.2	4.02
Diameter - In.		
Exit	91.00	3.69
Throat		
Inlet		
Area - Ft^2		
Exit	45.166	.07408
Throat		
Gimbal Point (Station) - In.		
Upper Nozzle		
X_o	1445.	58.52
Y_o	0	0
Z_o	443	17.94
Lower Nozzle		
X_o	1468.17	59.46
Y_o	± 53.00	± 2.15
Z_o	342.640	13.88
Null Position - Deg.		
Upper Nozzle		
Pitch	16°	16°
Yaw	0°	0°
Lower Nozzle		
Pitch	10°	10°
Yaw	3.5°	3.5°

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS NOZZLES - N_{28}

GENERAL DESCRIPTION: Configuration 140A/B orbiter OMS nozzles

MODEL SCALE: 0.0405 SS-A00106. RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000140A (Location)

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - Ft^2		
Exit		
Throat		
Gimbal Point (station) - In.		
Left Nozzle		
X_o	1518.00	61.48
Y_o	-88.0	-3.56
Z_o	492.00	19.93
Right Nozzles		
X_o	1518.00	61.48
Y_o	88.00	3.56
Z_o	492.0	19.93
Null Position - Deg.		
Left Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'
Right Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R_5

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	FULL SCALE	MODEL SCALE
Area - Ft^2	100.15	0.1643
Span (equivalent), In.	201.00	8.141
Inb'd equivalent chord, In.	91.585	3.709
Outb'd equivalent chord, In.	50.833	2.059
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At outb'd equiv. chord	0.400	0.400
Sweep Back Angles. degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of area & $\bar{c}$) Ft^3	610.92	0.0406
Mean Aerodynamic Chord, In.	73.2	2.965

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SS - SUGAR SCOOPS

GENERAL DESCRIPTION: Two deflector vanes located above the MPS top center nozzle. Vanes are simulated by flat plates attached to a strut which mounts on the MPS nozzle aft surface.

MODEL SCALE: .0405

DIMENSIONS:	FULL SCALE	MODEL SCALE
Vane width, in.	24.7	1.0
Vane height, in.	37.0	1.5
Vane incedence angle to strut, deg.	45	45
Strut incidence to nozzle exit plane, deg.	16	16
Strut cant from orbiter centerline, deg.	10	10

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: TC_{19} UPSWEPT BEAVER TAIL - ORBITER TAILCONE

GENERAL DESCRIPTION: An orbiter tail fairing tapering to a rounded aft end in the horizontal plane.

Orbiter (0.0405 Scale)

DRAWING NUMBER: BCD-V70-30-330

DIMENSIONS	FULL SCALE	MODEL SCALE
Length	34.96 Ft	16.99 In.
Max Width	25.0 Ft	12.15 In.
Max Height	22.22 Ft	10.80 In.
Tailcone Width at Aft Tip	4.12 Ft	2.0 In.

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V_8

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, VL70-000146B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	413.253	0.678
Span (Theo) - In.	315.72	12.787
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	10.874
Tip (Theo) WP	108.47	4.393
MAC	199.81	8.092
Fus. Sta. of .25 MAC	1463.35	59.272
W.P. of .25 MAC	635.52	25.738
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.0810
Void Area	13.17	0.022
Blanketed Area	0.0	0.0

TABLE III b. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W_{116}

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W_{114} except airfoil thickness. Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.0405

TEST NO. DWG. NO.: VL70-000140A, -000200

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	2690.00	4.412
Span (Theo) - In.	936.68	37.936
Apsect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	+ 3.000	+ 3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	27.914
Tip (Theo) D.P.	137.85	5.583
MAC	474.81	19.230
Fus.Sta. of .25 MAC	1136.83	46.042
W.P. of .25 MAC	290.58	11.768
B.L. of .25 MAC	182.13	7.376
EXPOSED DATA		
Area (Theo) - Ft^2	1751.50	2.873
Span, (Theo) - In. BP108	720.68	29.188
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP10	562.09	22.765
Tip 1.00 b/2	137.85	5.583
MAC	392.83	15.910
Fus. Sta. of .25 MAC	1185.98	48.032
W.P. of .25 MAC	294.30	11.919
B.L. of .25 MAC	251.77	10.197
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area - Ft^2	113.18	0.185
Leading Edge Intersects Fus M.L. @ Sta.	500.00	20.250
Leading Edge Intersects Wing @ Sta.	1024.00	41.472

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

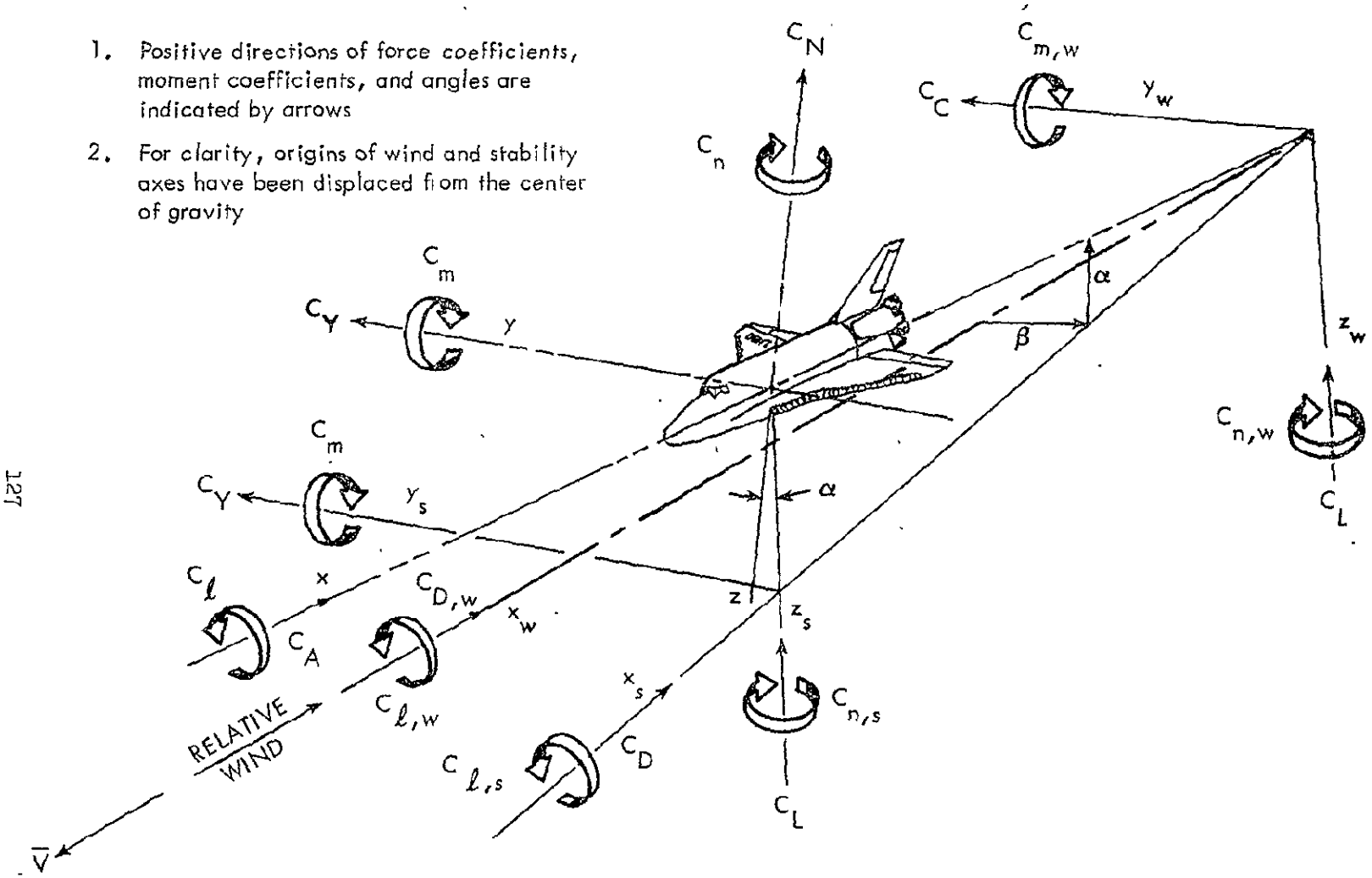
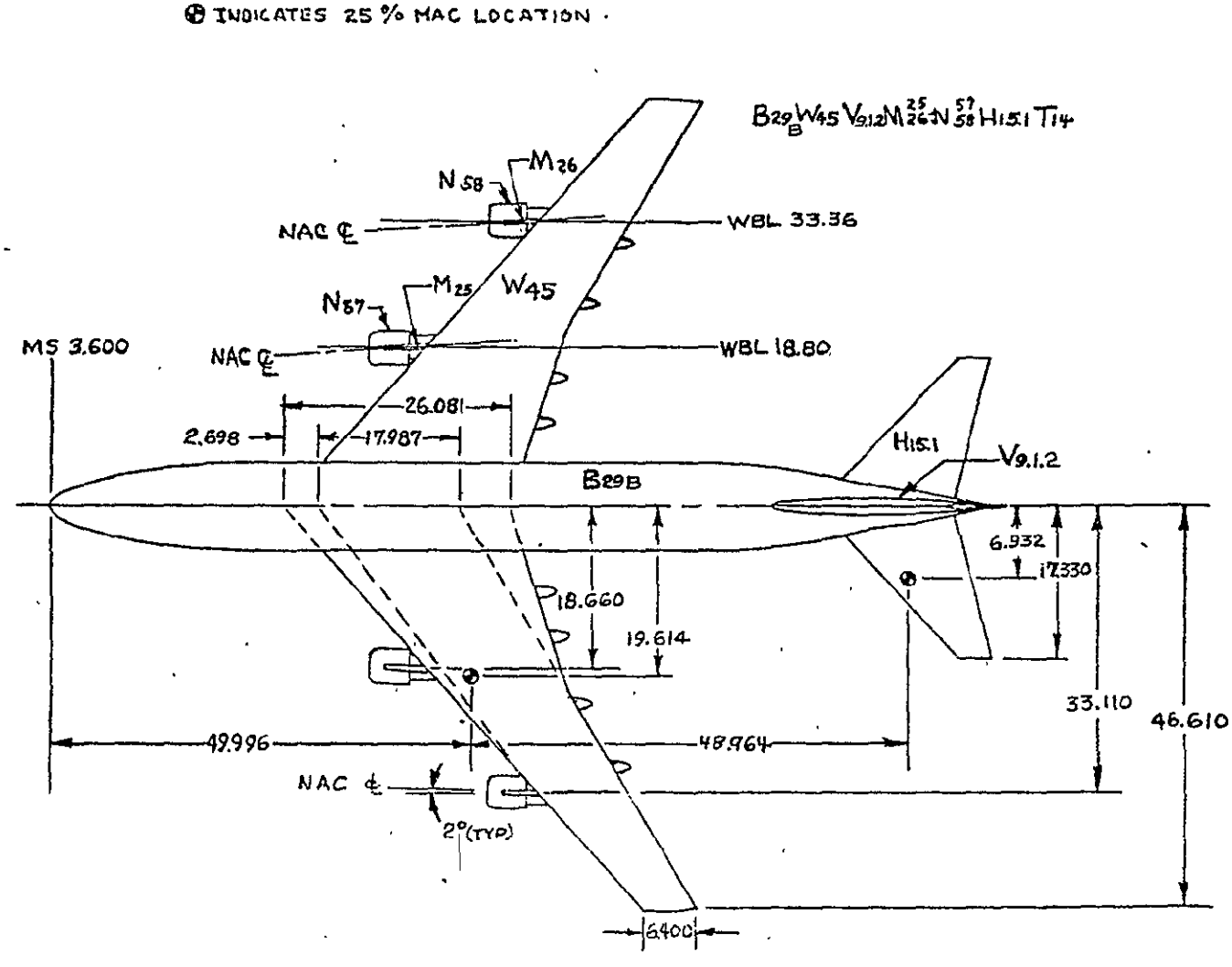
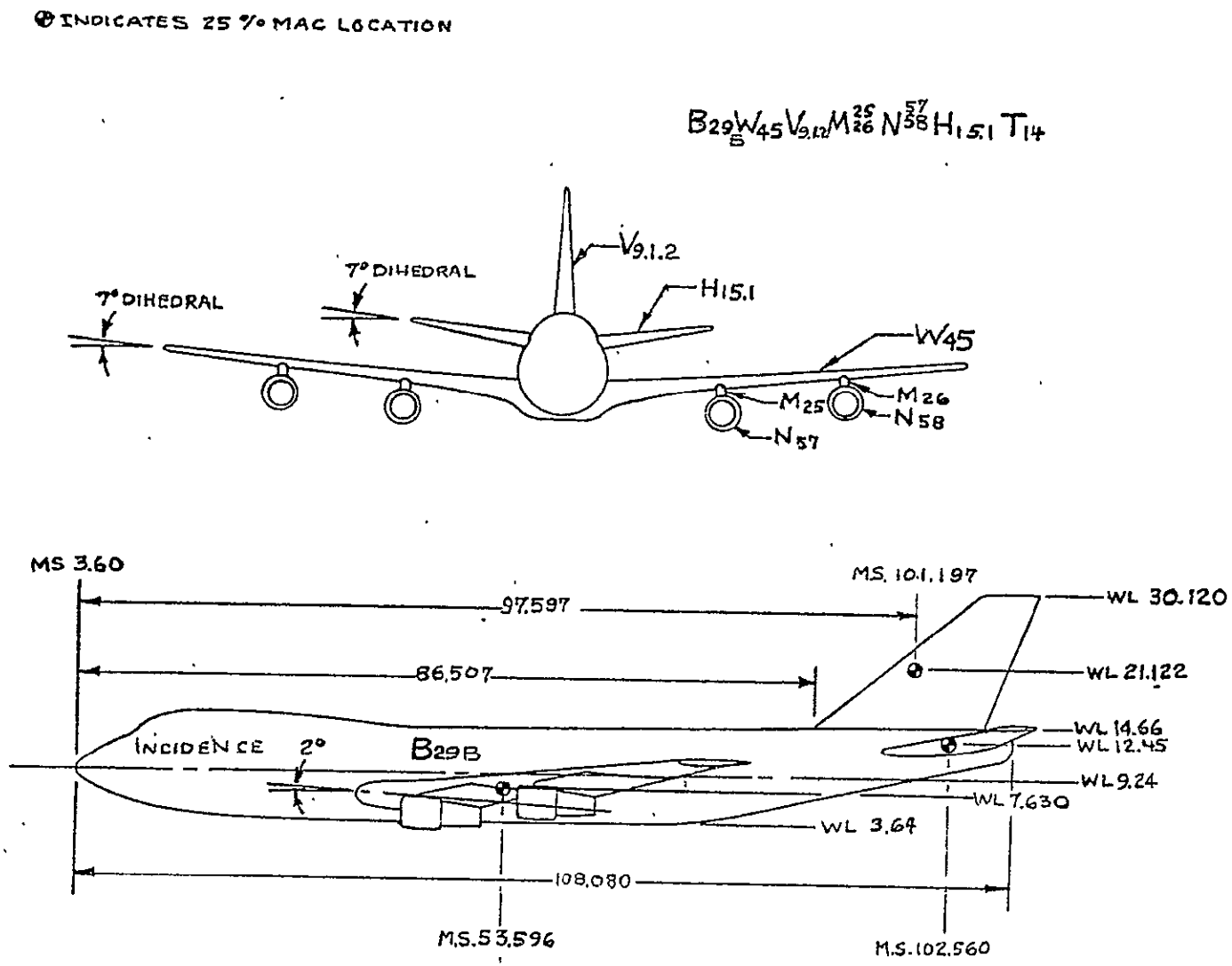


Figure 1. - Axis Systems.



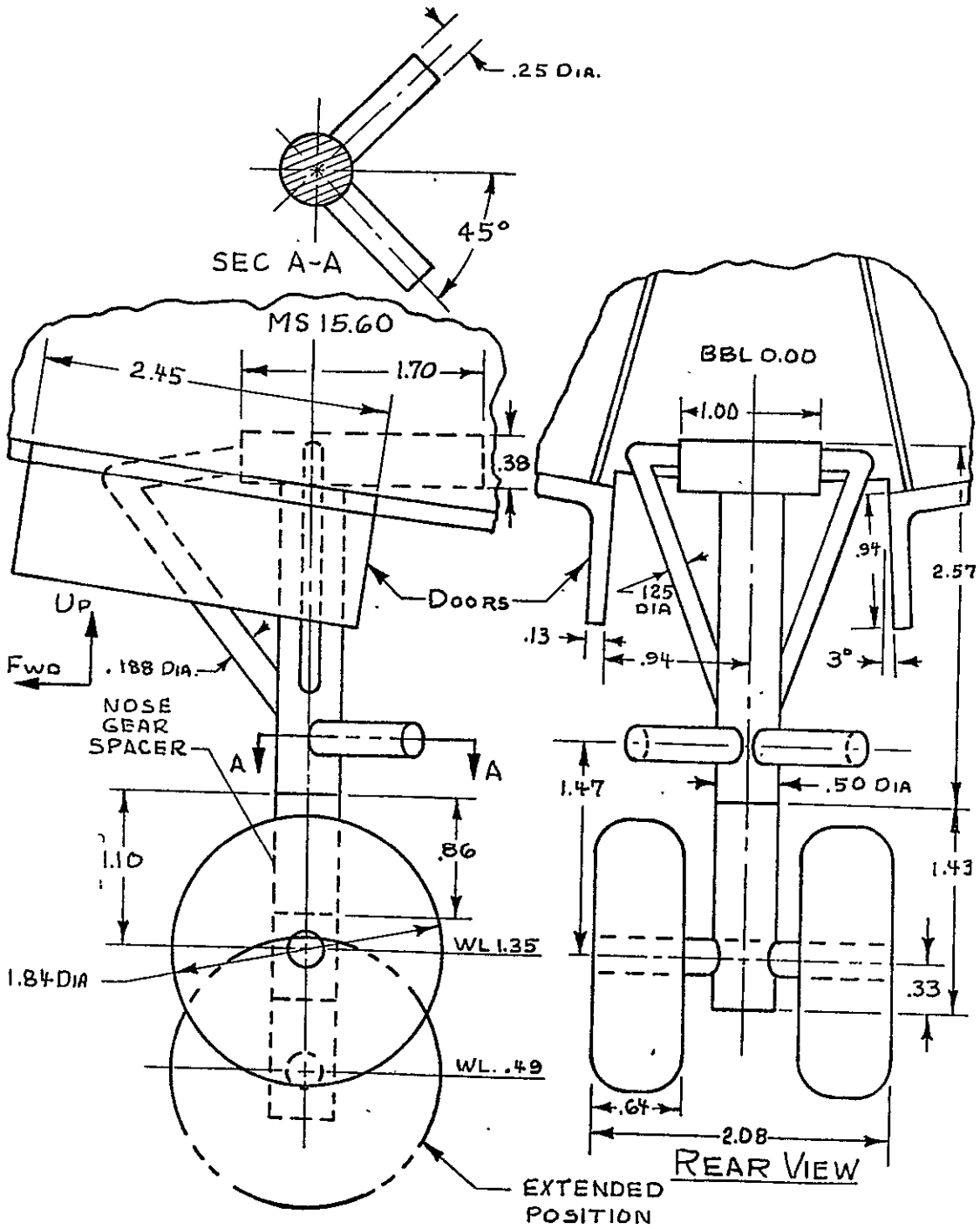
a. 747-100 Carrier Planform.

Figure 2. - Model Sketches.



REF: DWG 65-71450
65-71436
65-74129

b. 747-100 Carrier Front and Side Views.
Figure 2. - (Continued)

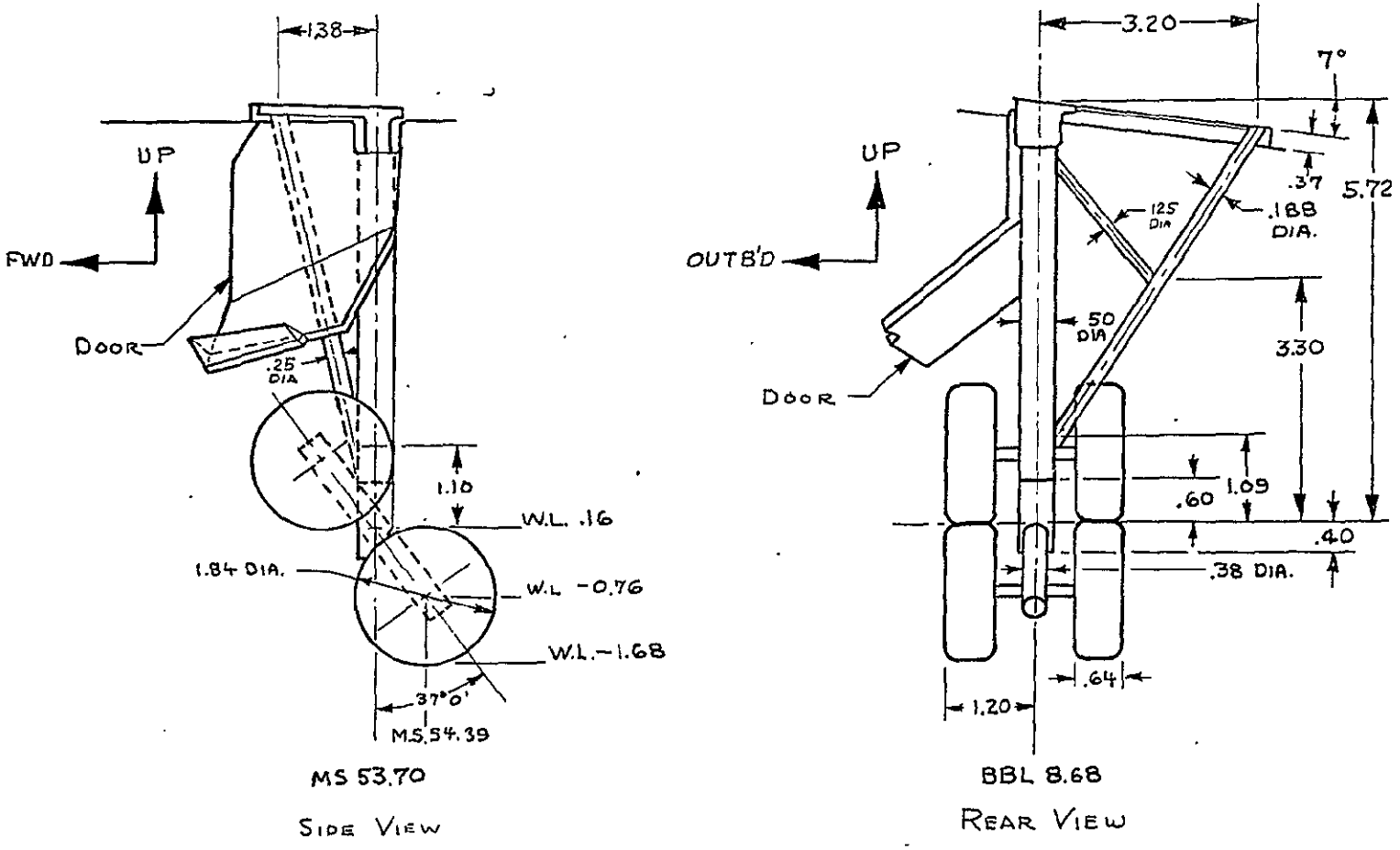


NOSE GEAR-$G_{5.3.5}$

REF S.O 1065-101,-108

c. 747-100 Carrier Nose Gear.

Figure 2. - (Continued).

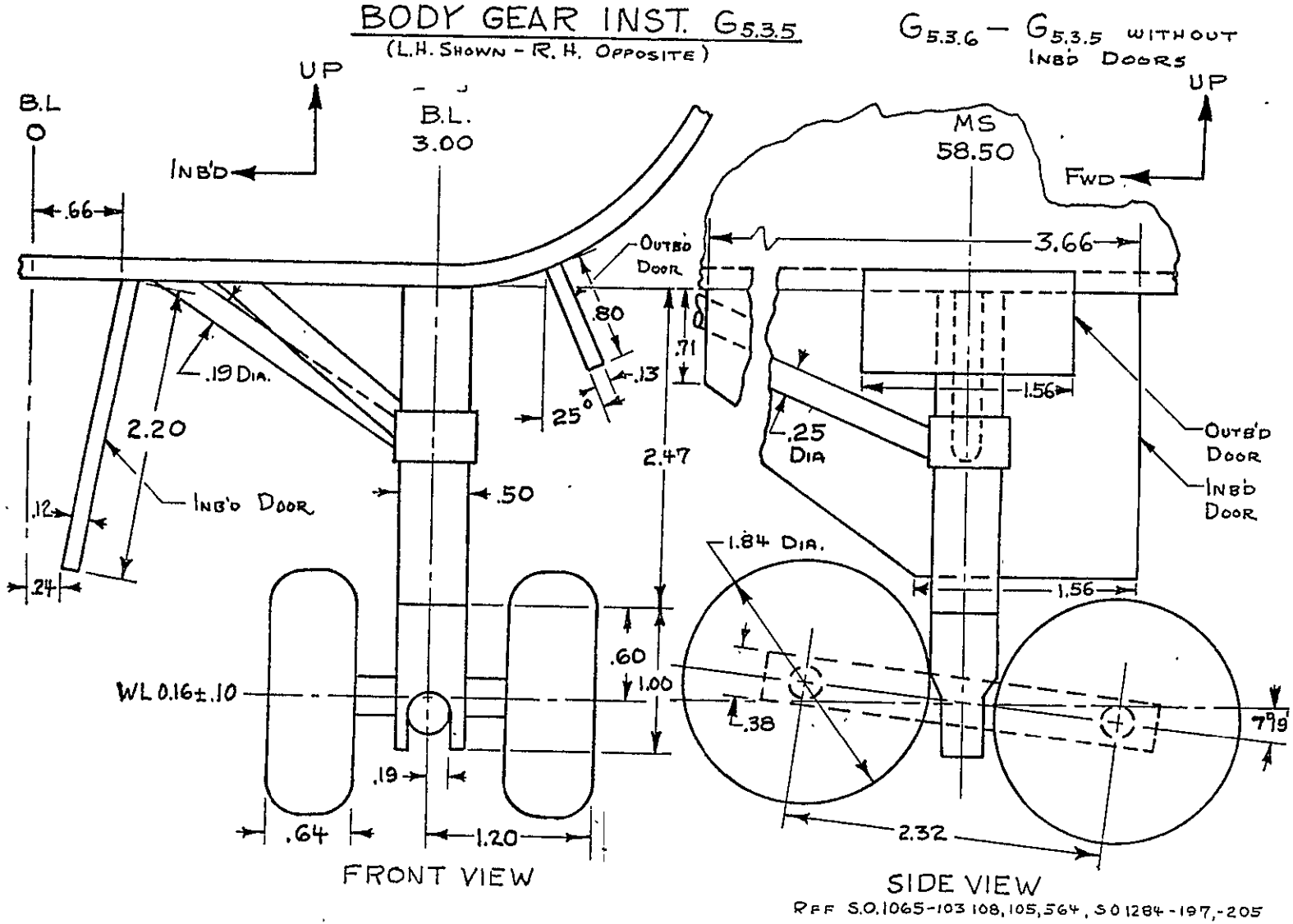


WING LANDING GEAR $G_{5.3.5}$
(L.H. SHOWN R.H. OPP.)

REF SO 1065-103,-104

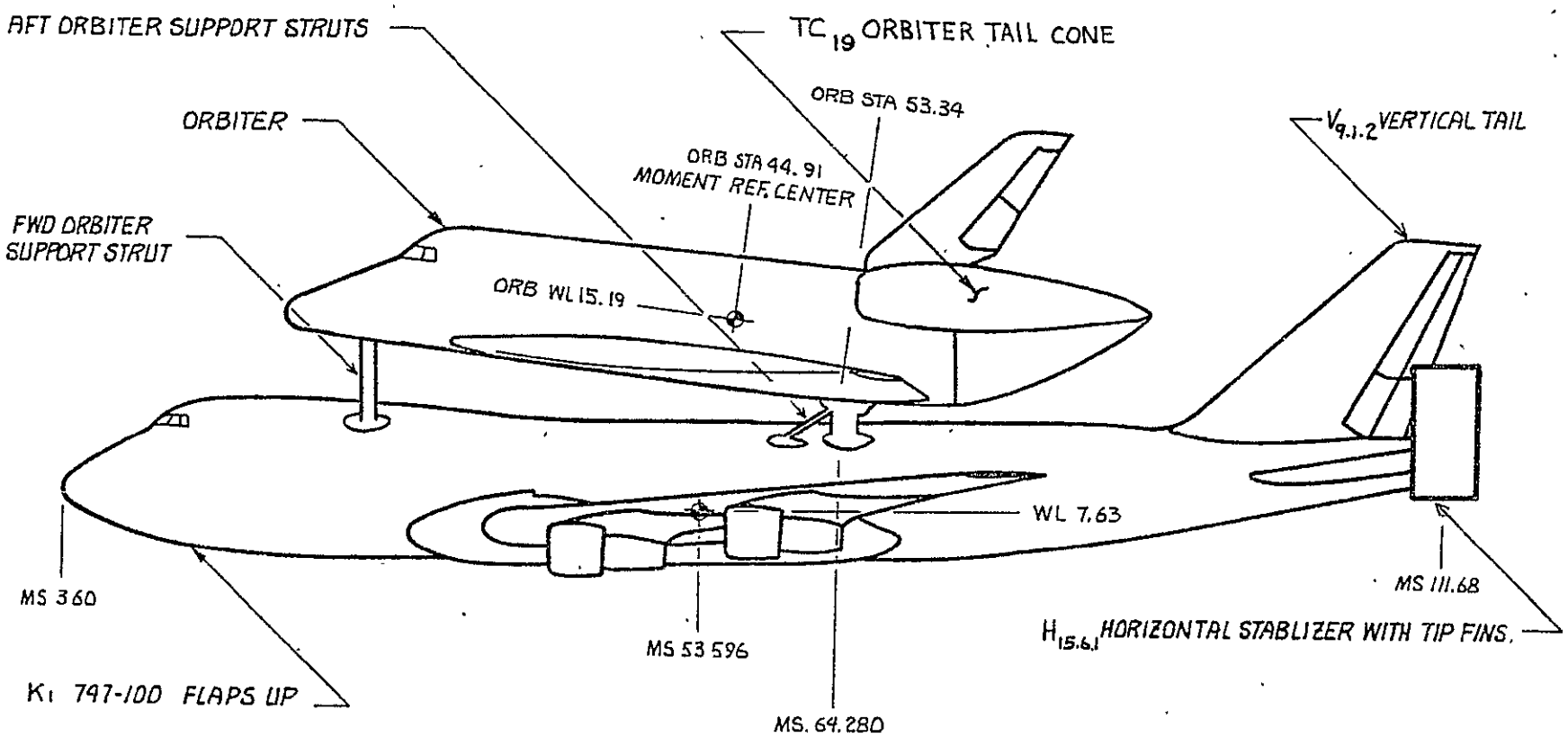
d. 747-100 Carrier Wing Landing Gear.

Figure 2. - (Continued).



e. 747-100 Carrier Body Gear.

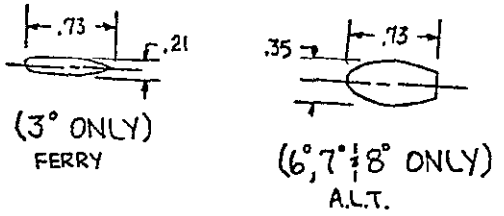
Figure 2. - (Continued).



f. 747-100 and Orbiter Space Shuttle Configuration.

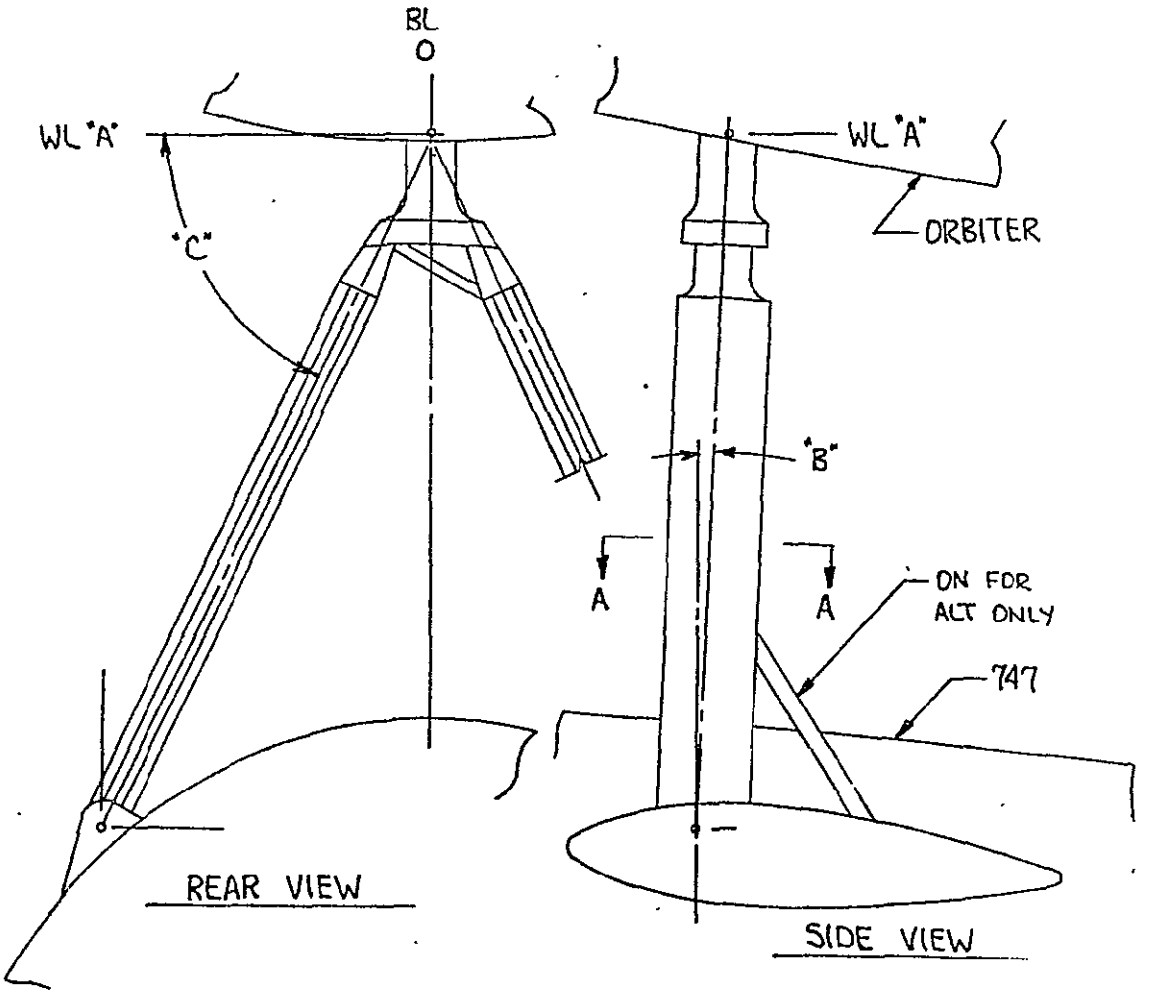
Figure 2. - (Continued).

DIMENSIONS IN INCHES



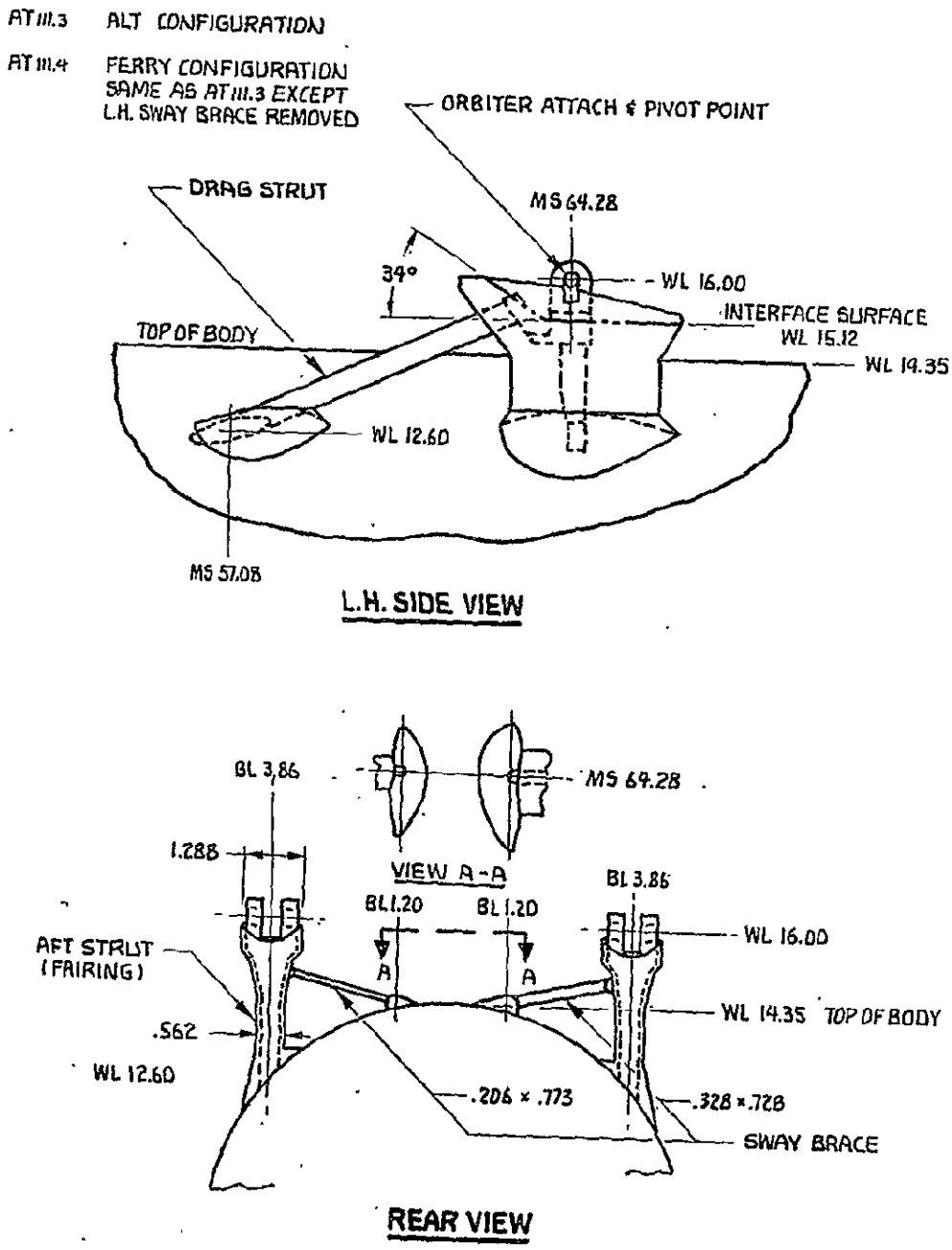
SECTION A-A

ORB.	WL "A"	ANGLE "B"	ANGLE "C"
3°	18.57	0°-9'	54°-17'
6°	20.51	1°-59'	64°-46'
7°	21.15	2°-33'	67°-05'
8°	21.79	3°-6'	69°-02'



g. Forward Orbiter Support Structure.

Figure 2. - (Continued).



h. $AT_{111.3}$ and $AT_{111.4}$ Orbiter Aft Attach Structure.

Figure 2. - (Continued).

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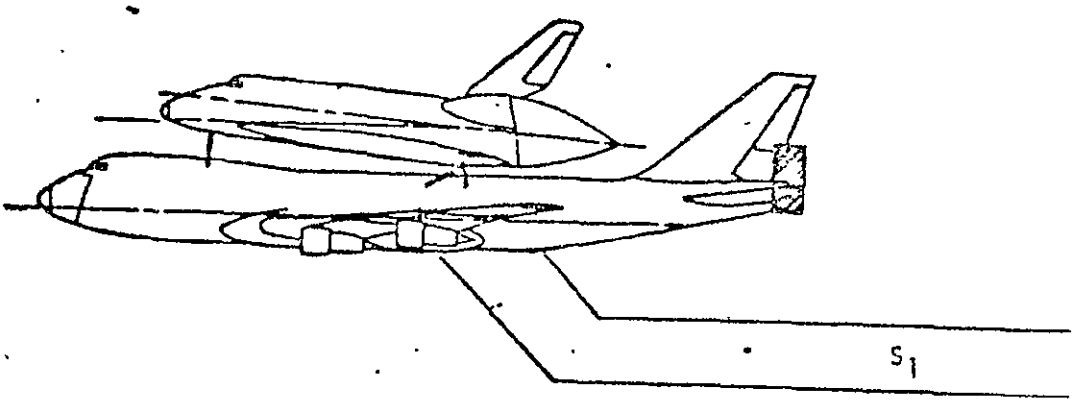
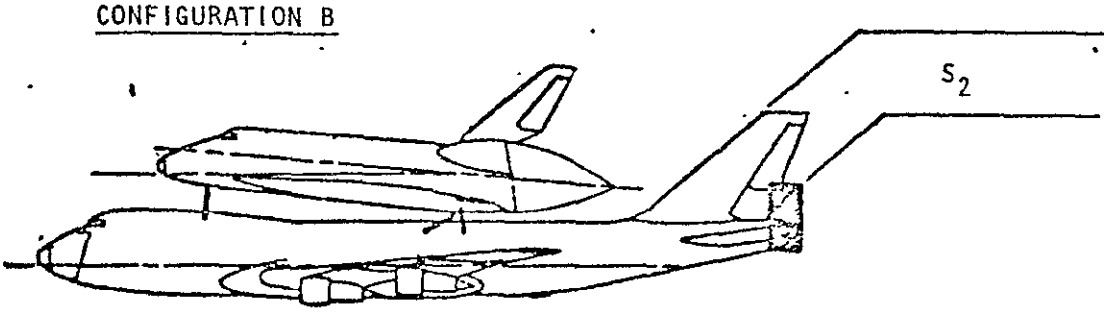
CONFIGURATION A



Test support configuration for free air testing.

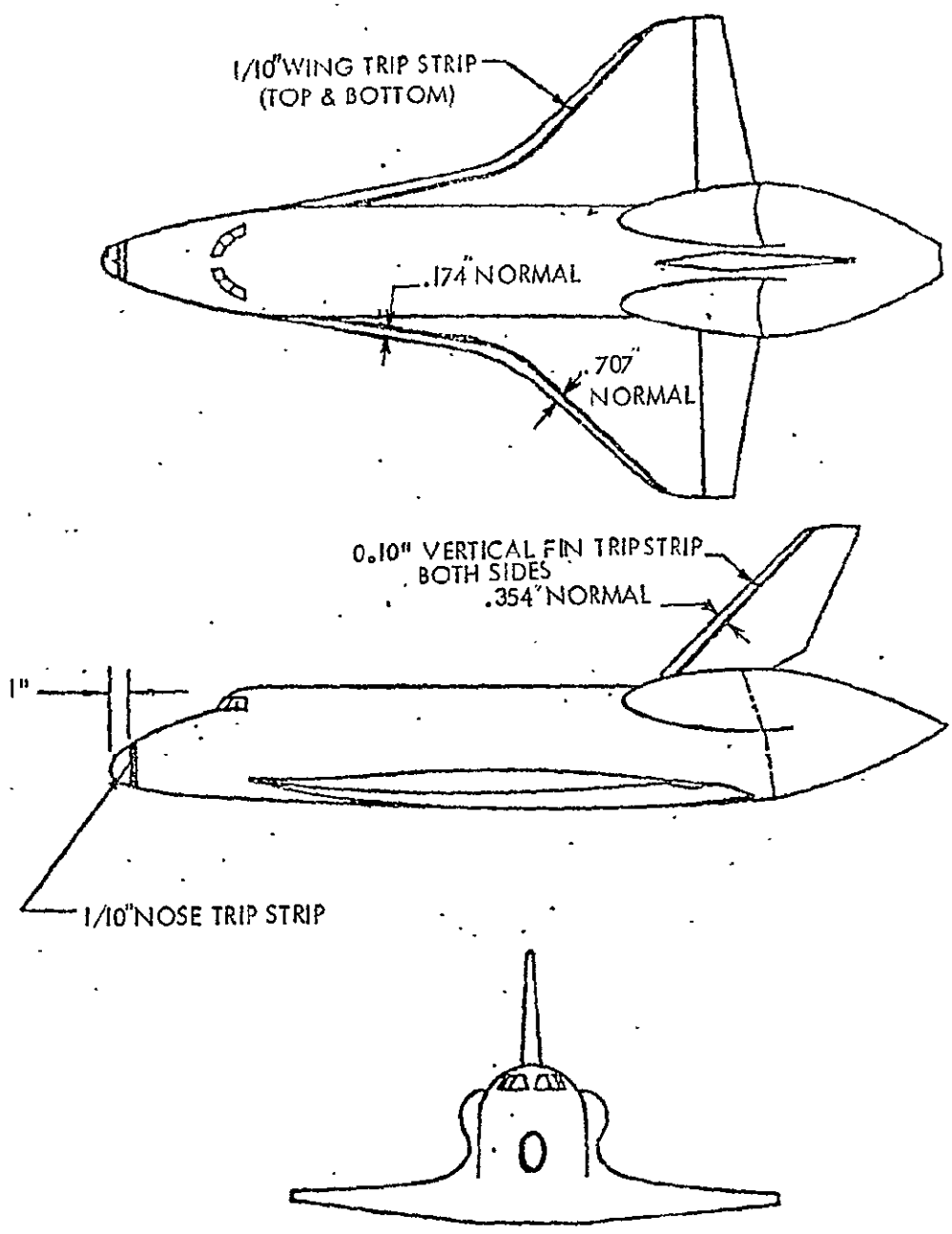
CONFIGURATION B



Test support configuration for ground effect testing.

i. Test Support Configurations.

Figure 2. - (Continued).



j. Orbiter Trip Strip Definition.

Figure 2. - (Continued).

TRIP STRIP DEFINITION

747 and 747 CAM

WING

Wing upper and lower surface: 1.25 inches streamwise, 80 grit 40 to 60 grains/inch, 0.1 inch wide.

EMPENNAGE (All surfaces, top and bottom)

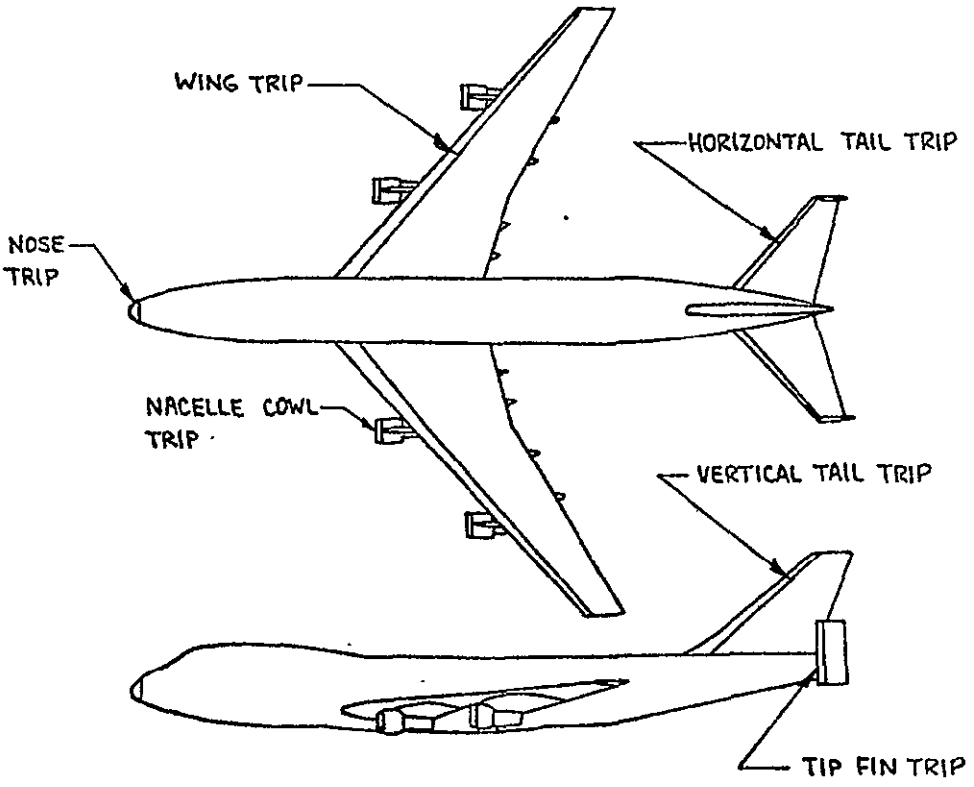
0.5 inch streamwise 0.1 inch wide, 80 grit, 40 to 60 grains/inch.

BODY NOSE

1.25 inch from L.E. 80 grit 0.1 inch wide, 40-60 grains/inch.

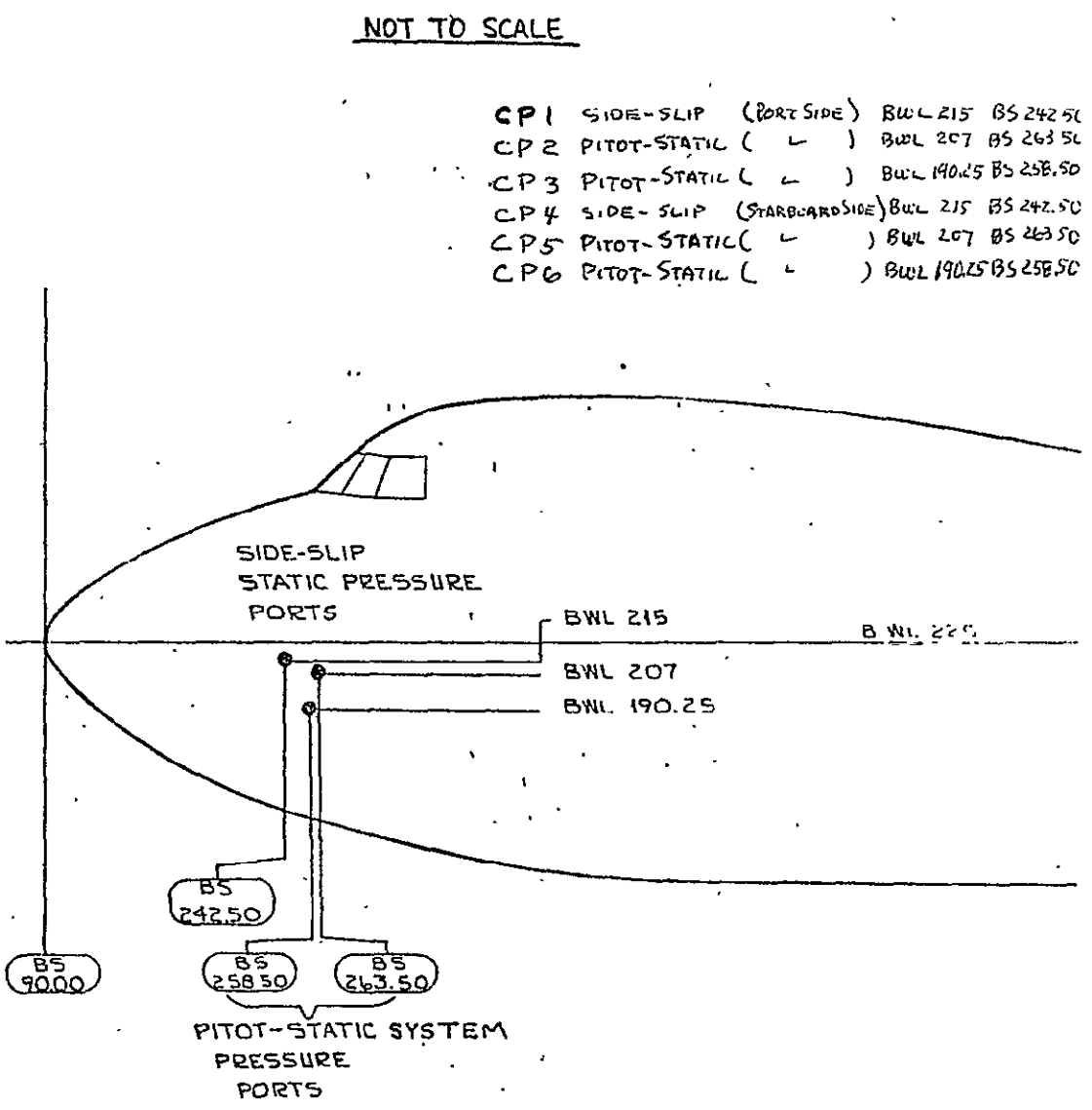
NACELLE

Fan cowl .5 inch from L.E. (inside and outside), 80 grit, 40-60 grains/inch, 0.10 inch wide. Primary, at the fan cowl exit plane, (outside surface only), 80 grit, 40-60 grains/inch, .10 inch wide.



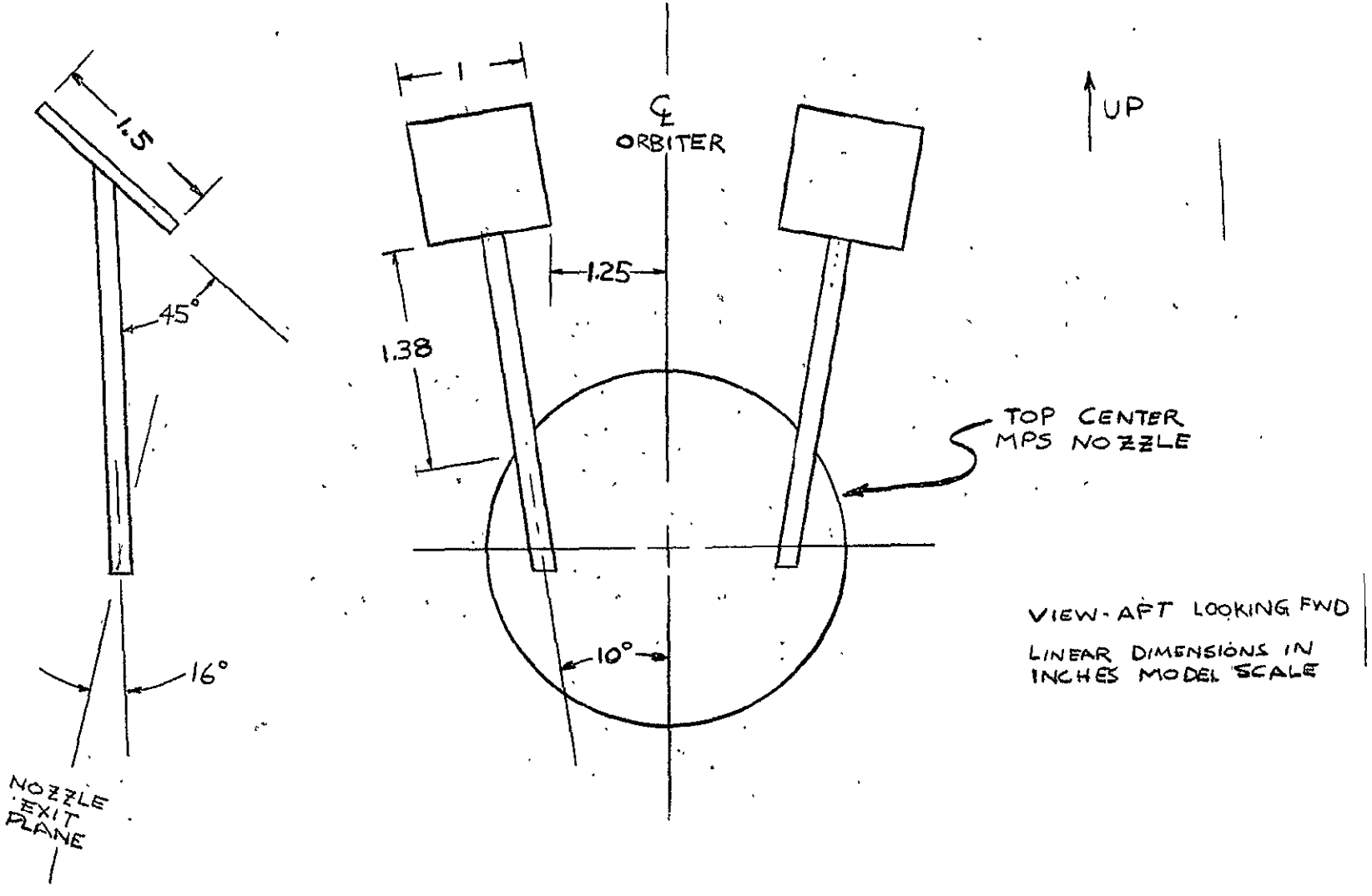
k. 747 CAM Trip Strip Definition.

Figure 2. - (Continued).



ℓ. Static Pressure Port Locations on the Forebody of the 747 Model.

Figure 2. - (Continued).



m. Sugar Scoops
Figure 2. - (Concluded)

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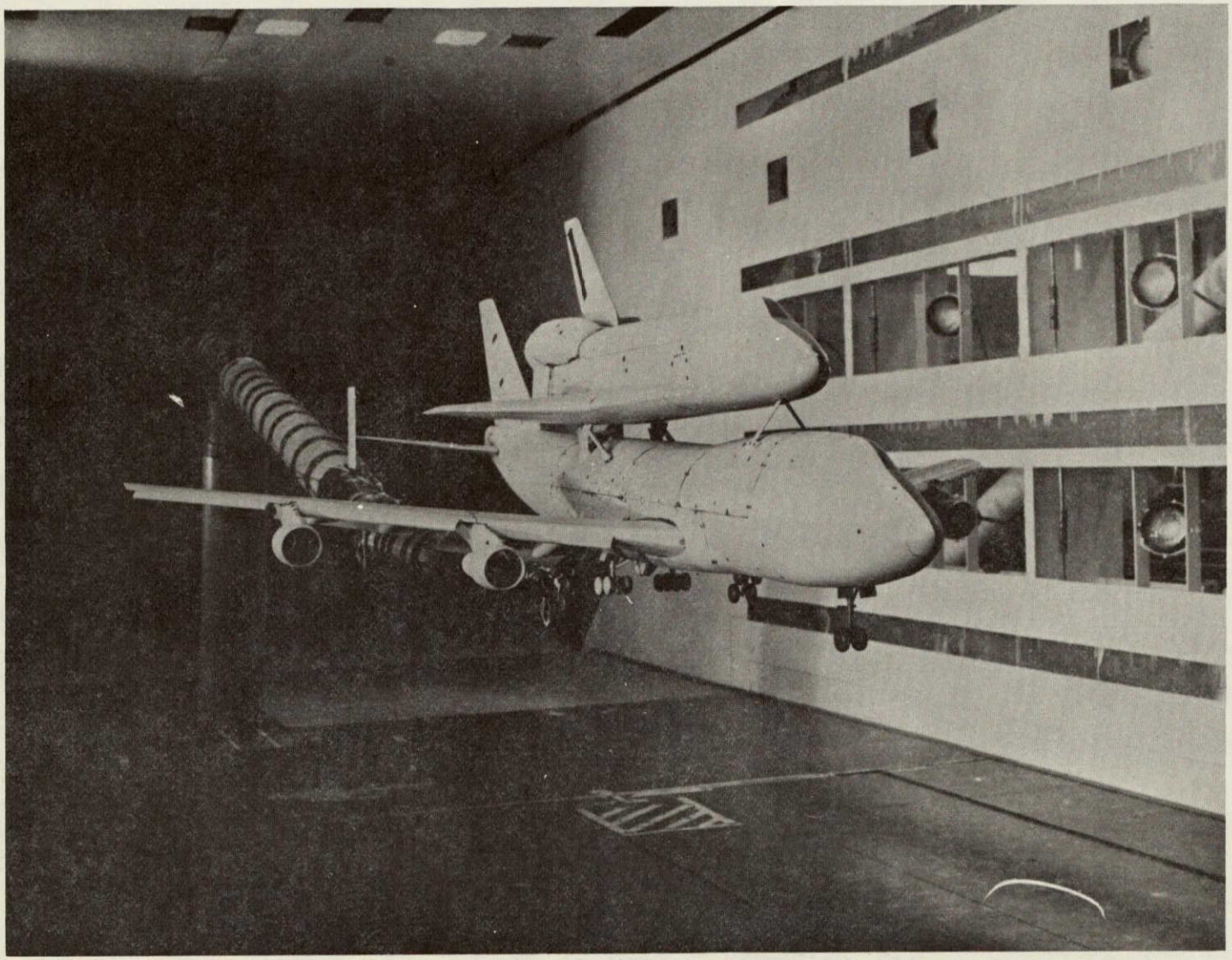
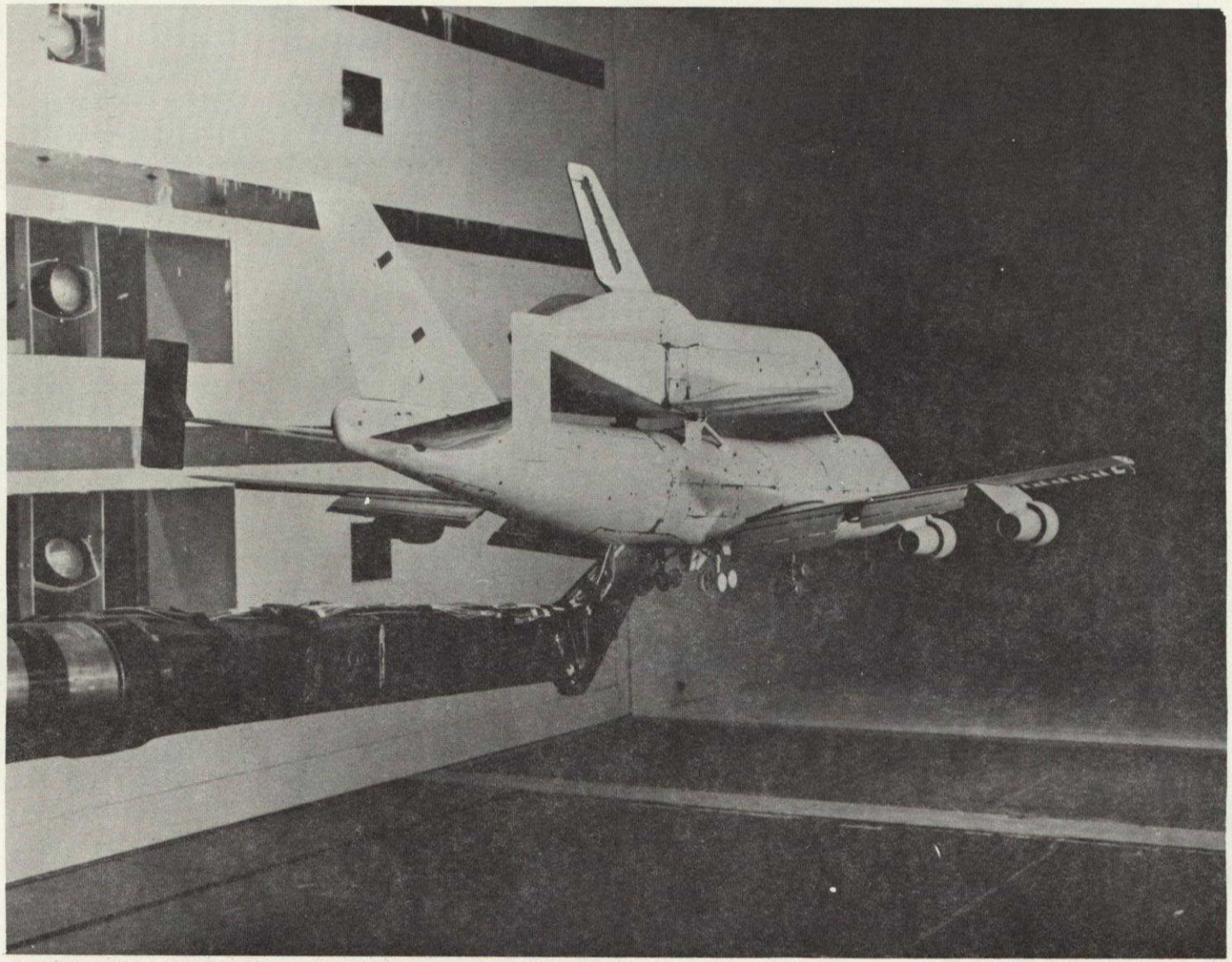


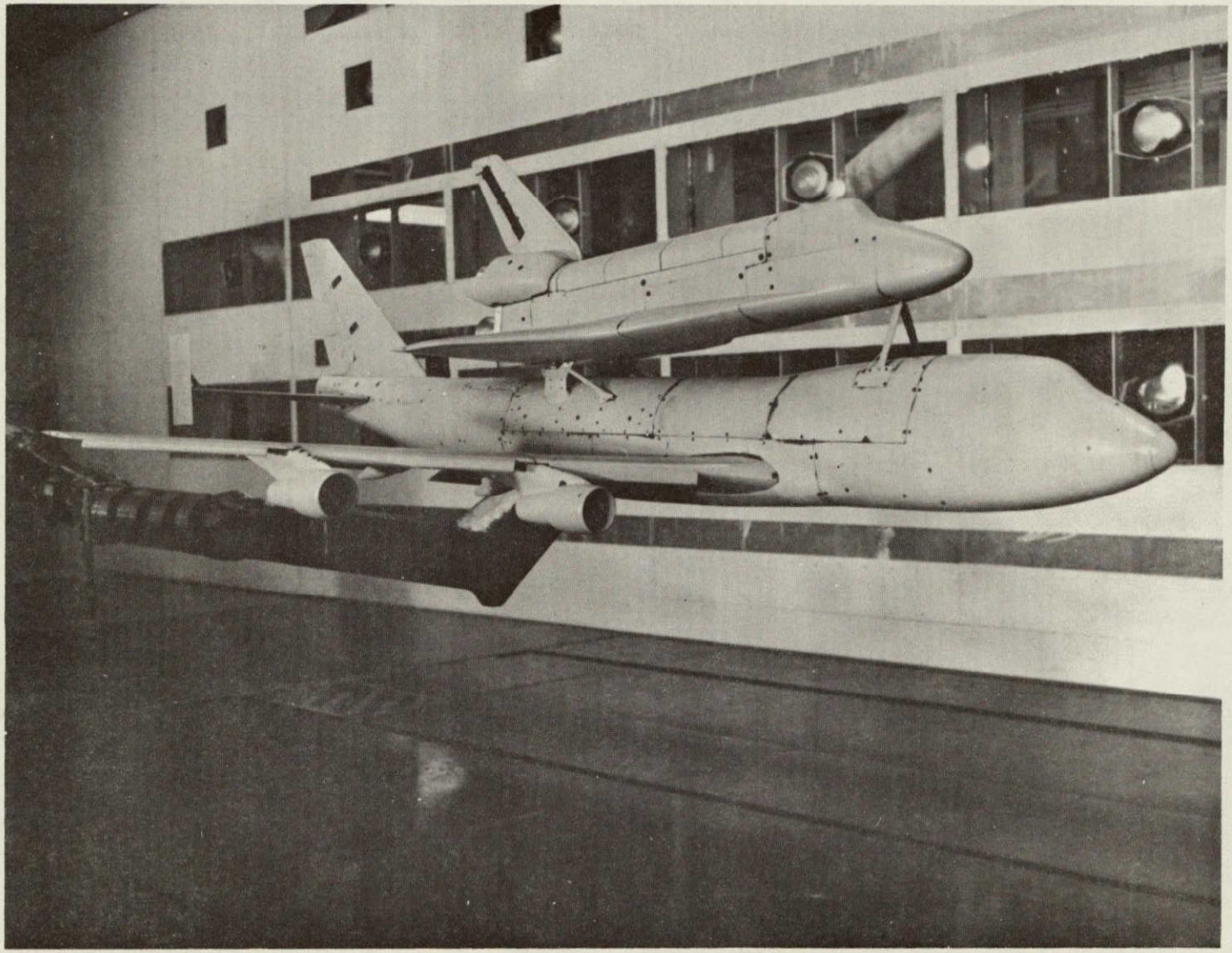
a. Front View of Ferry Configuration with S_1 Swept-Blade Sting.

Figure 3. - Model Photographs.



b. AFT View of Ferry Configuration with S_1 Swept-Blade Sting.

Figure 3. - (Continued).



c. Front View of ALT Configuration with S_1 Swept-Blade Sting.

Figure 3. - (Continued).

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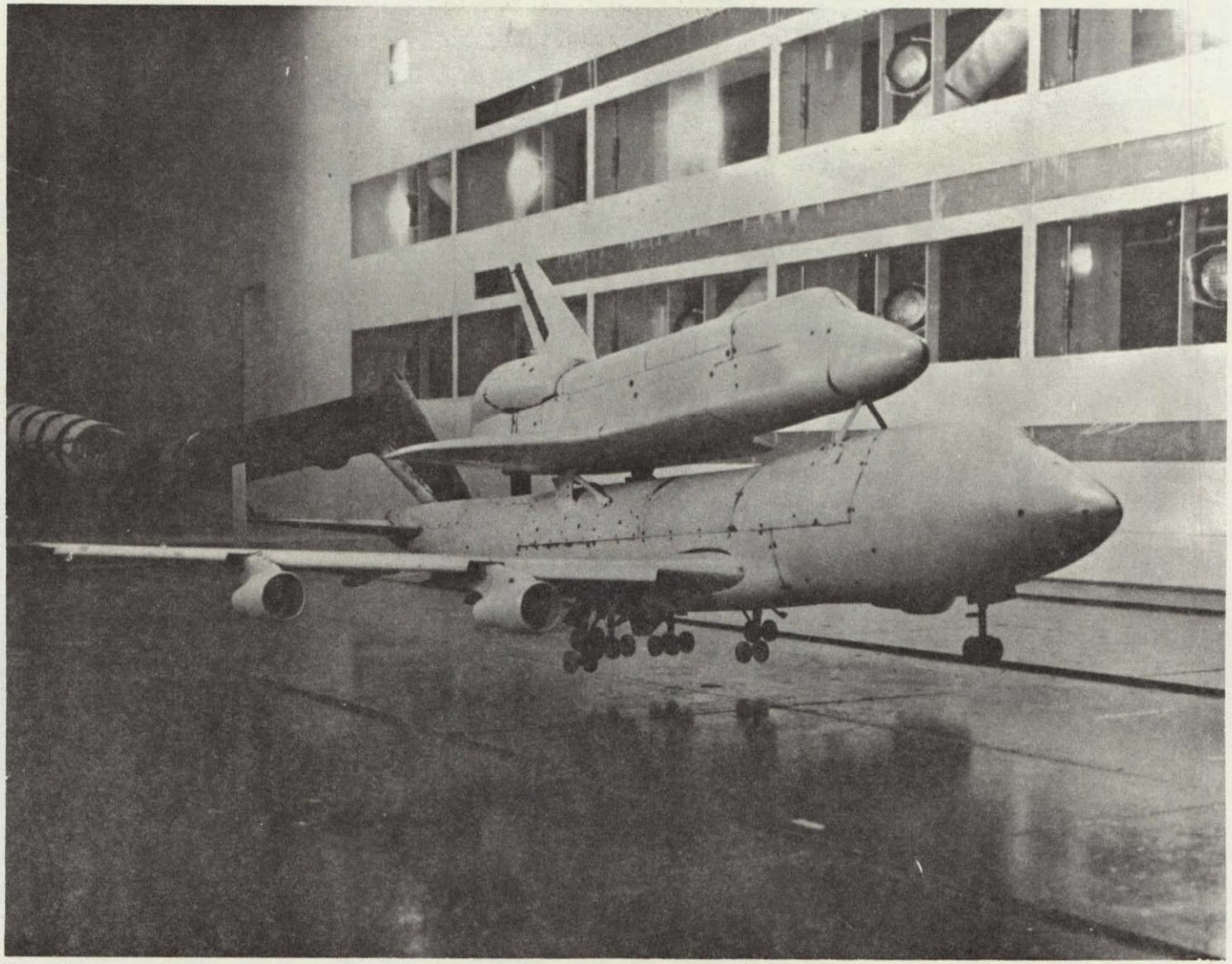
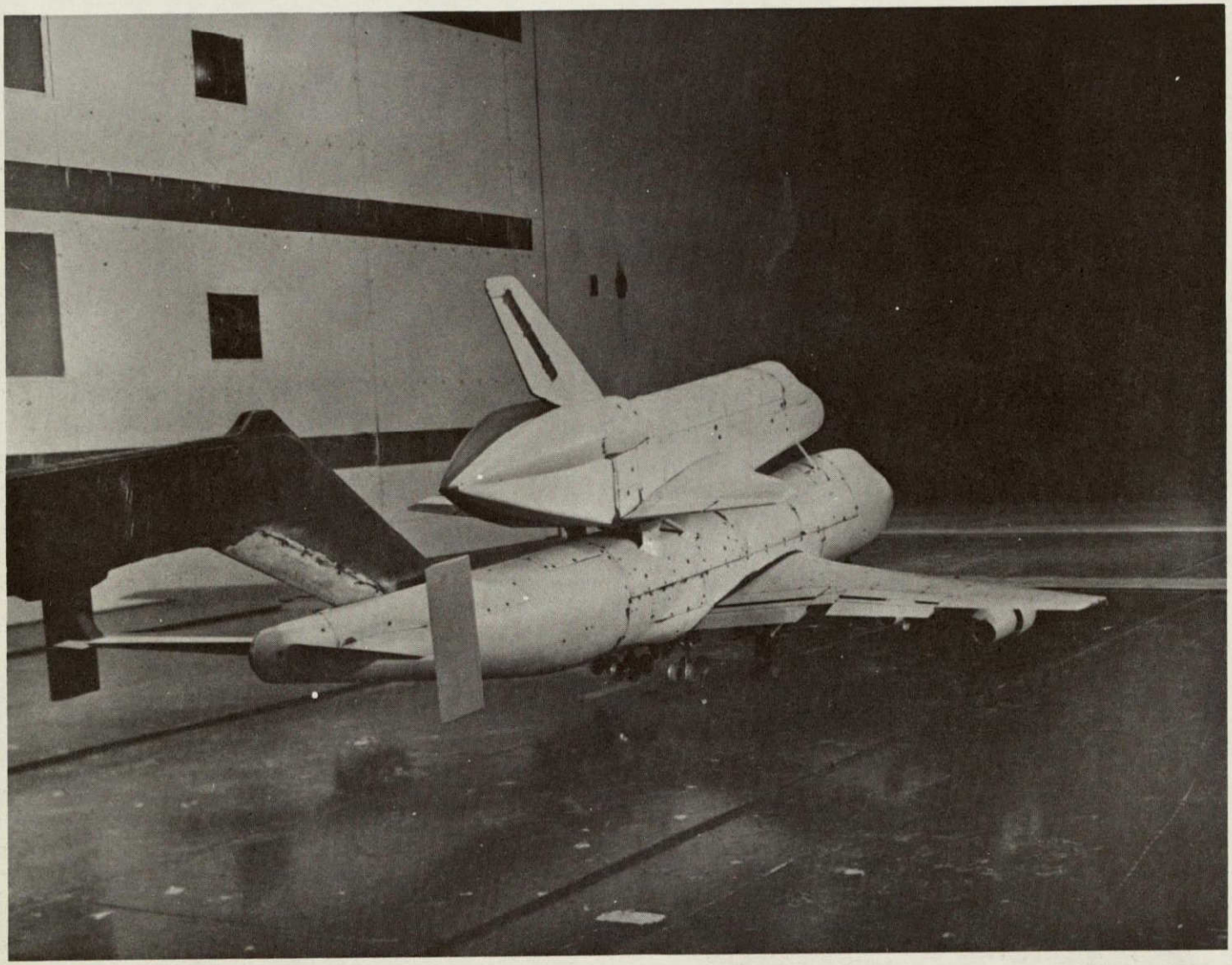


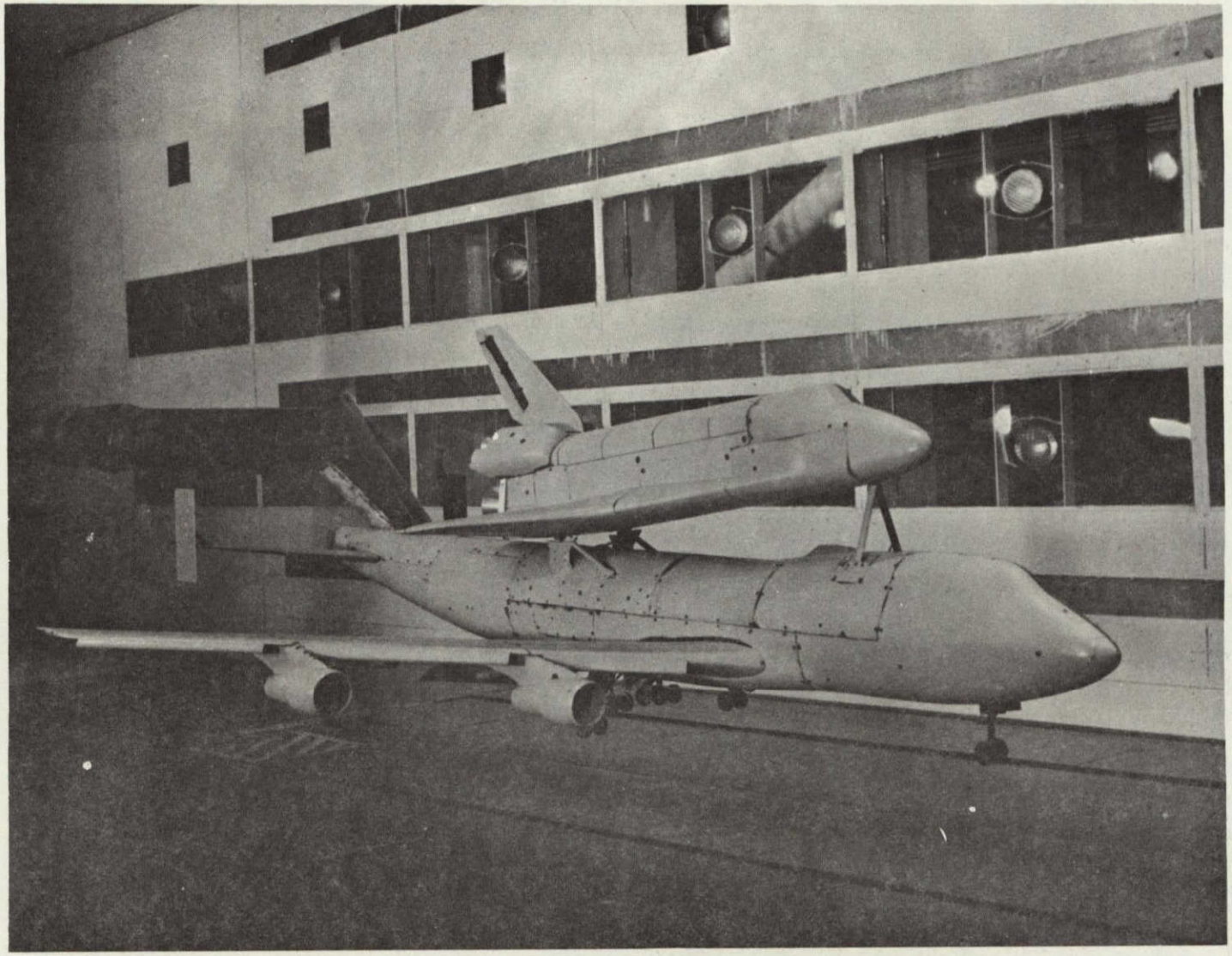
d. Front View of Ferry Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Continued).



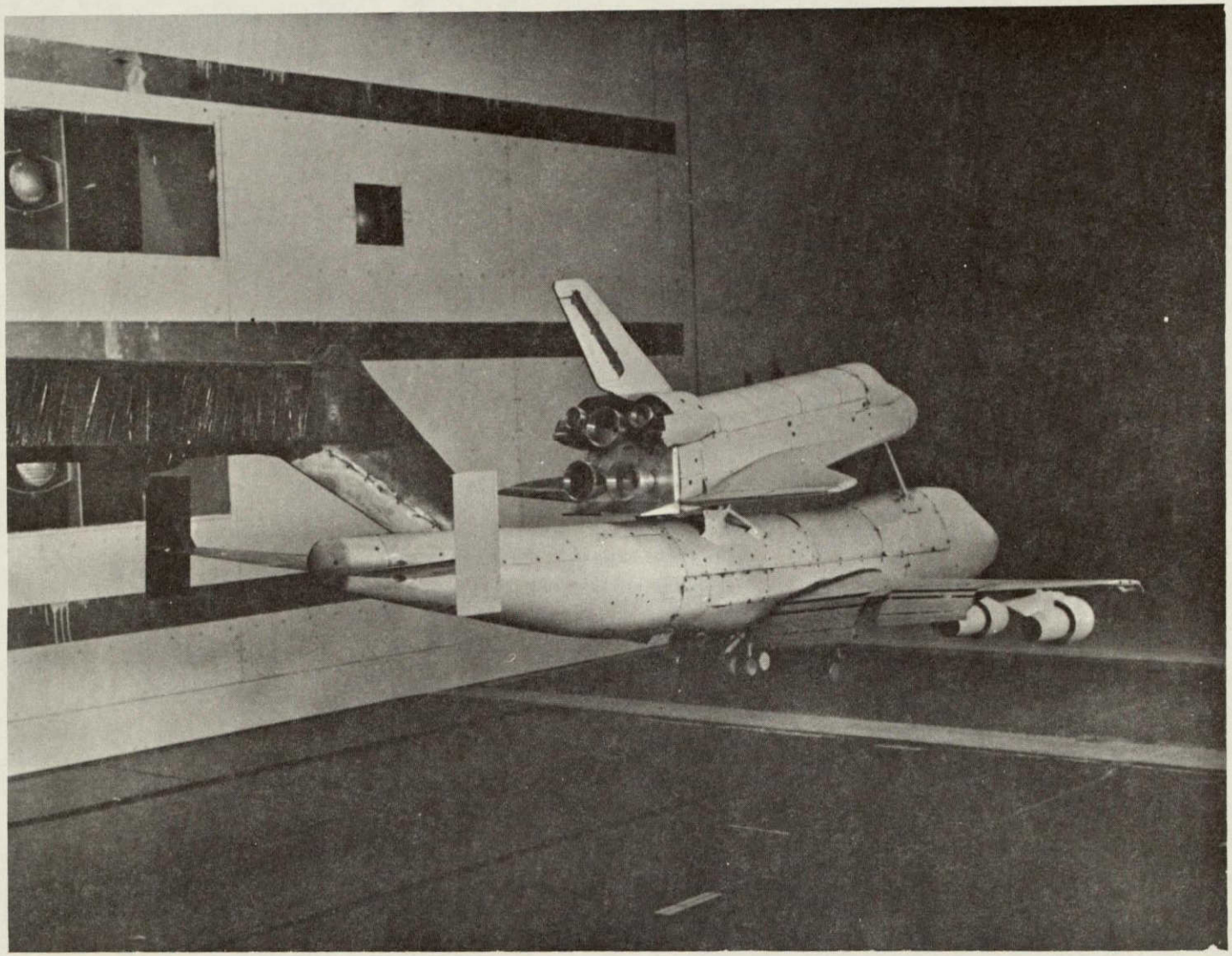
e. AFT View of Ferry Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Continued).



f. Front View of ALT Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Continued).



g. AFT View of AIT Configuration with S_2 Swept-Blade Sting.

Figure 3. - (Concluded).

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000
(TJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

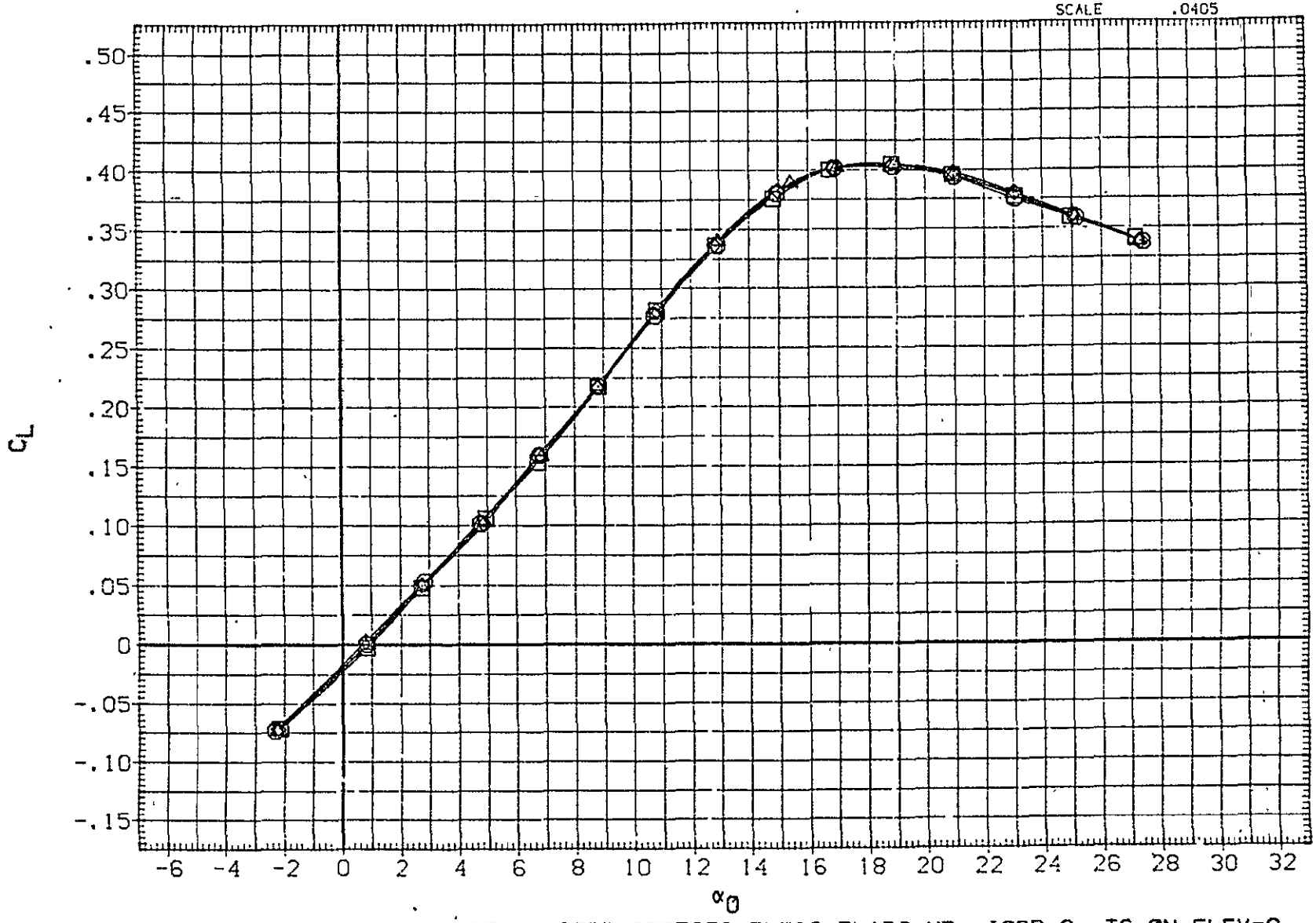

FIG 223 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS UP, IORB=3, TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000
(TJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

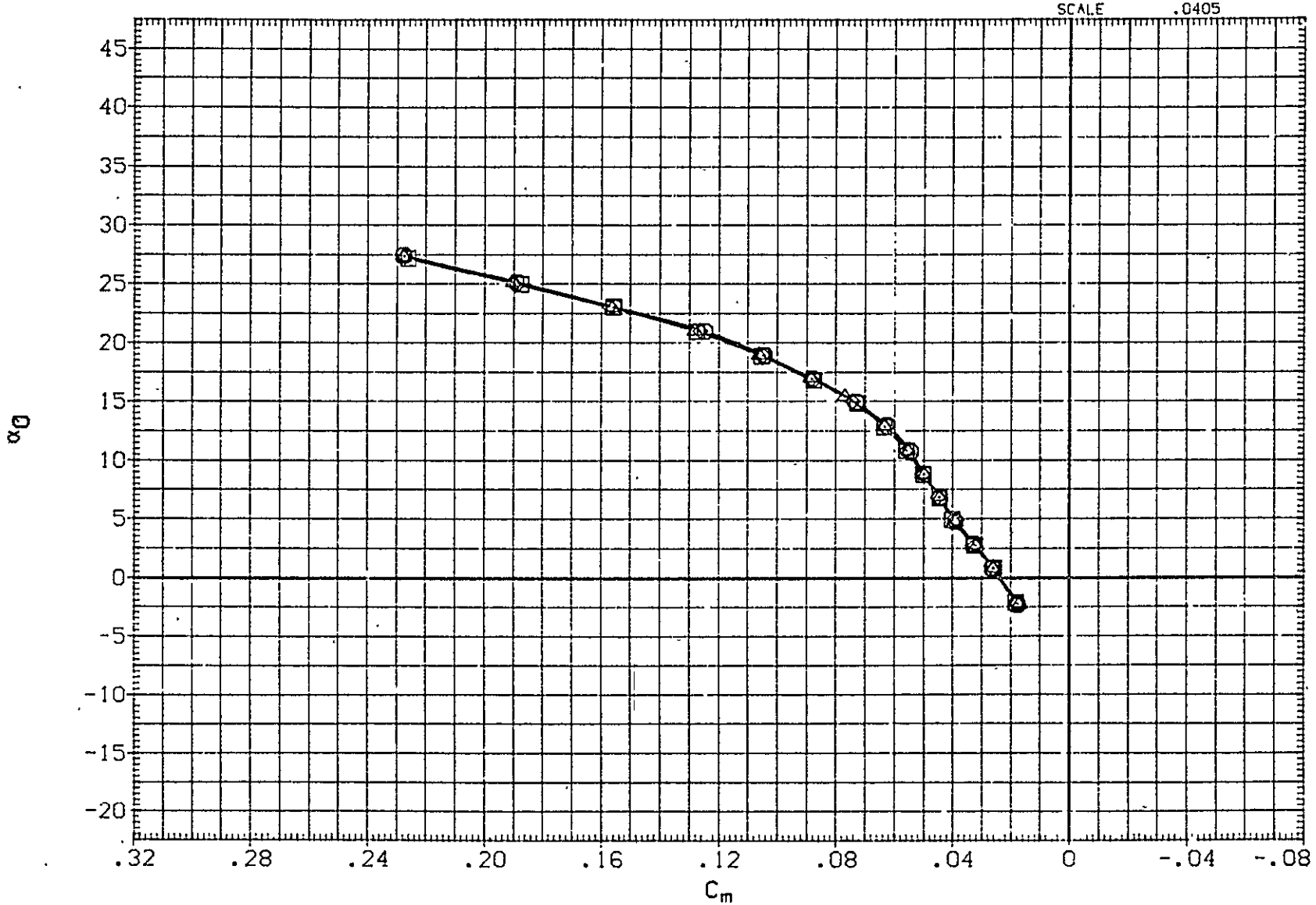

FIG 223 FERRY CONFIG. STABILIZER EFFECTIVENESS,FLAPS UP, IORB=3, TC ON,ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000
(TJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

FIG 223 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS UP. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF122)	○	(CA-8) K2V9.1.2TS6 FOTS401			-11.700	.000
(TJF123)	□	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF124)	◇	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF125)	△	(CA-8) K2V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

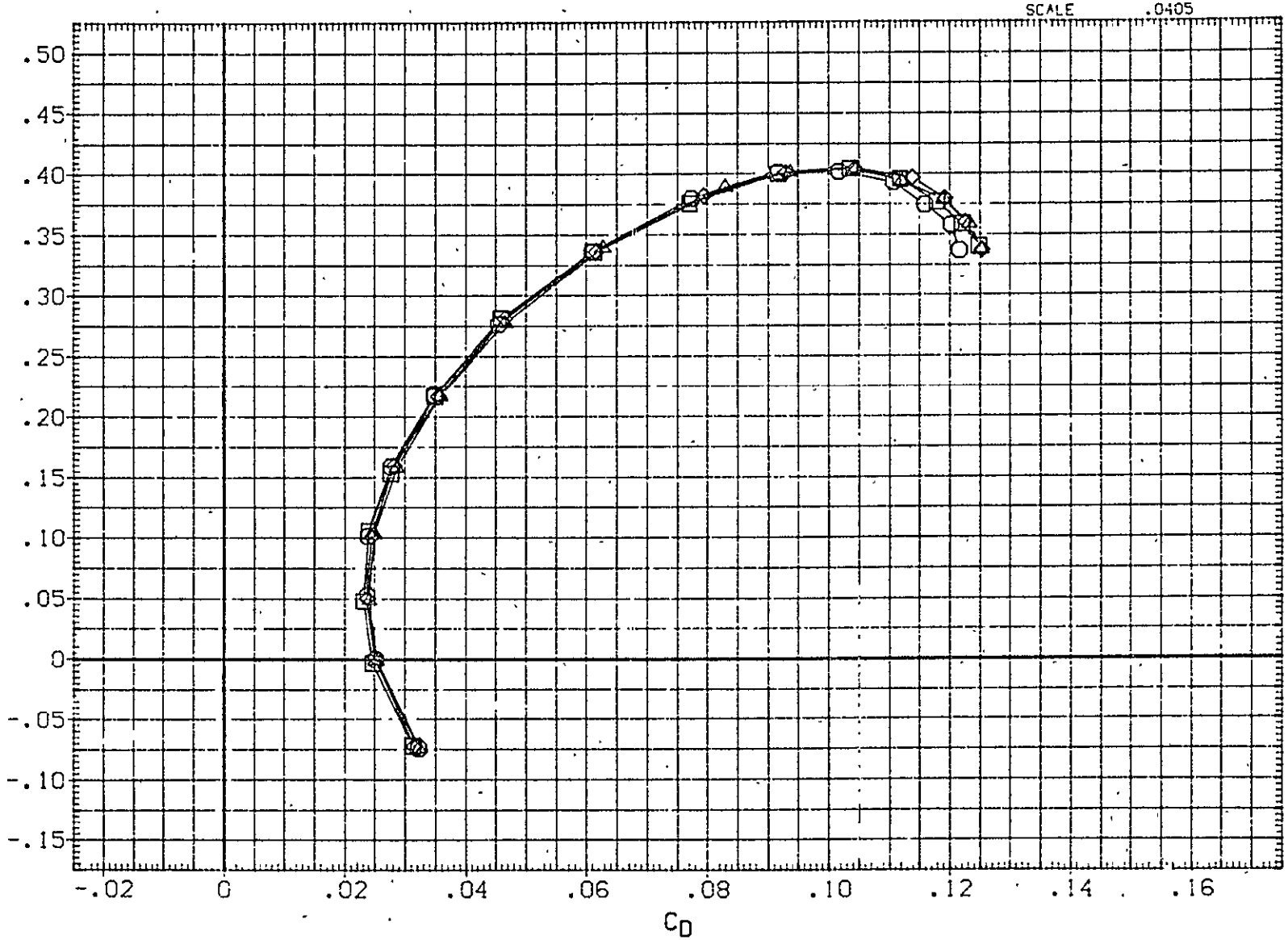

FIG 223 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS UP, IORB=3, TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF115)	○	(CA-8) K2V9.1.2TS5F3065.3.5TS401			-11.700	.000
(TJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000
(TJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000
(TJF118)	⋈	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000
(TJF119)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

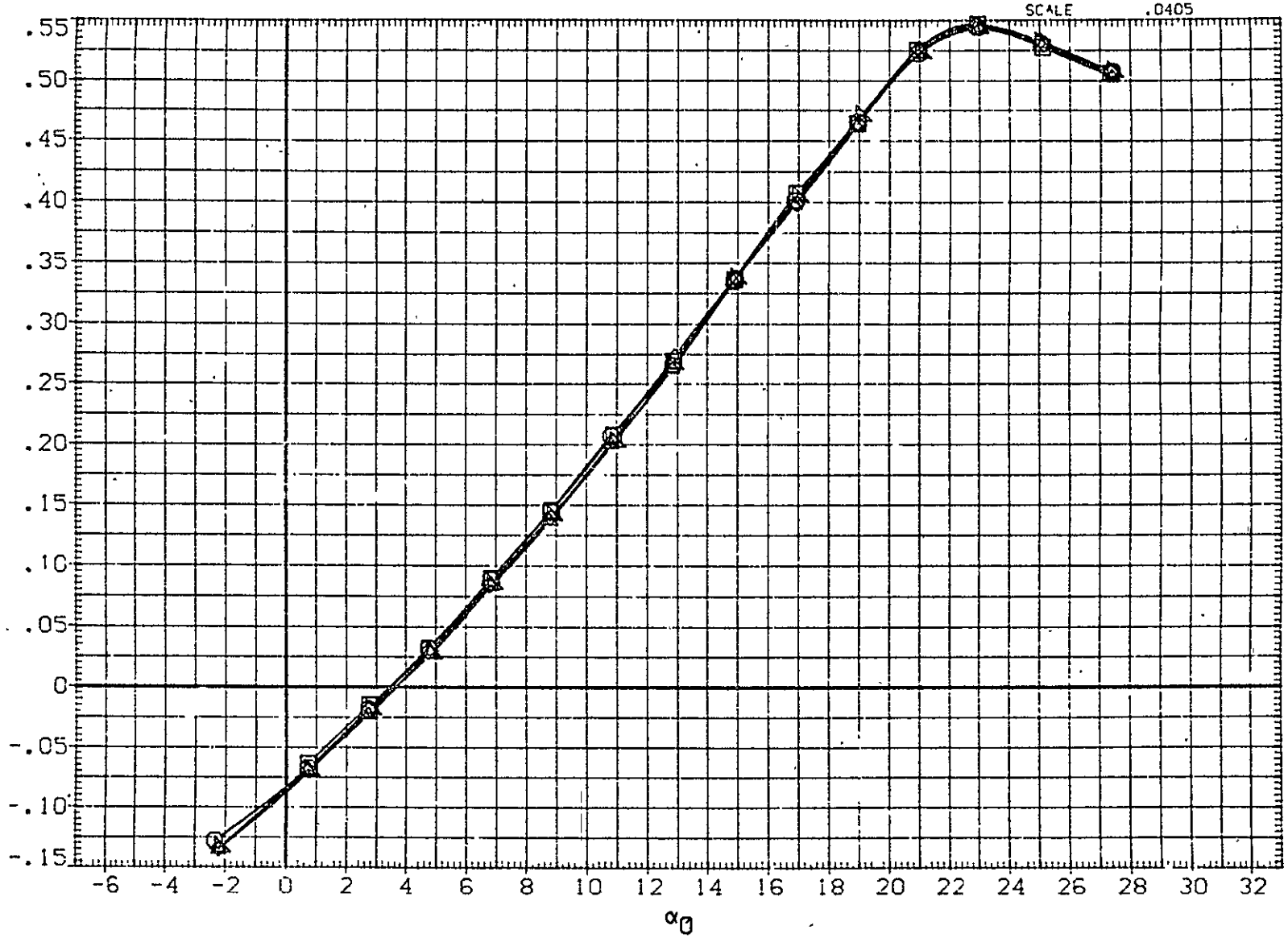

FIG 224 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS 10, IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000
(TJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000
(TJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000
(TJF119)	◁	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

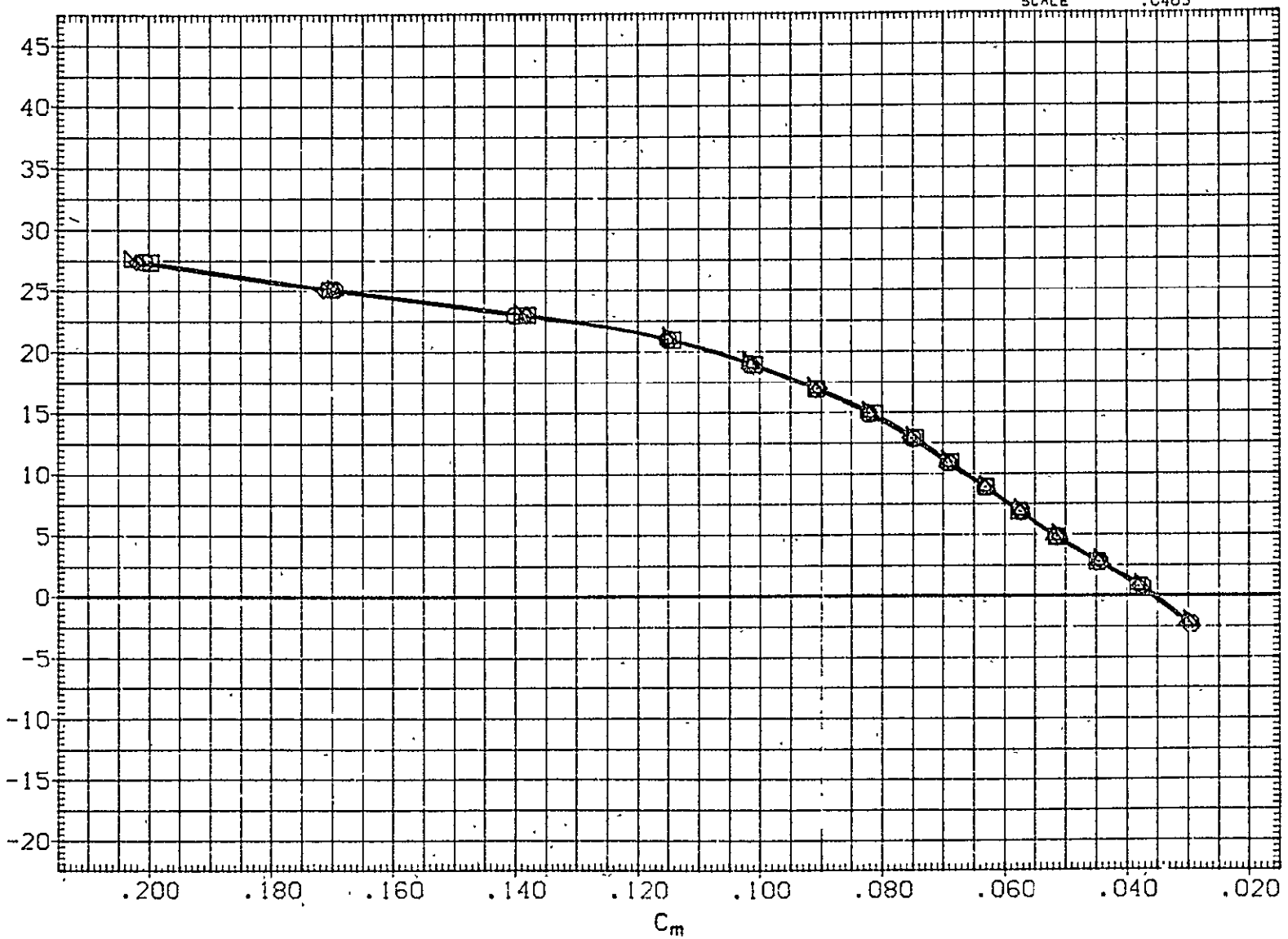

FIG 224 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000
(TJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000
(TJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000
(TJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6900	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

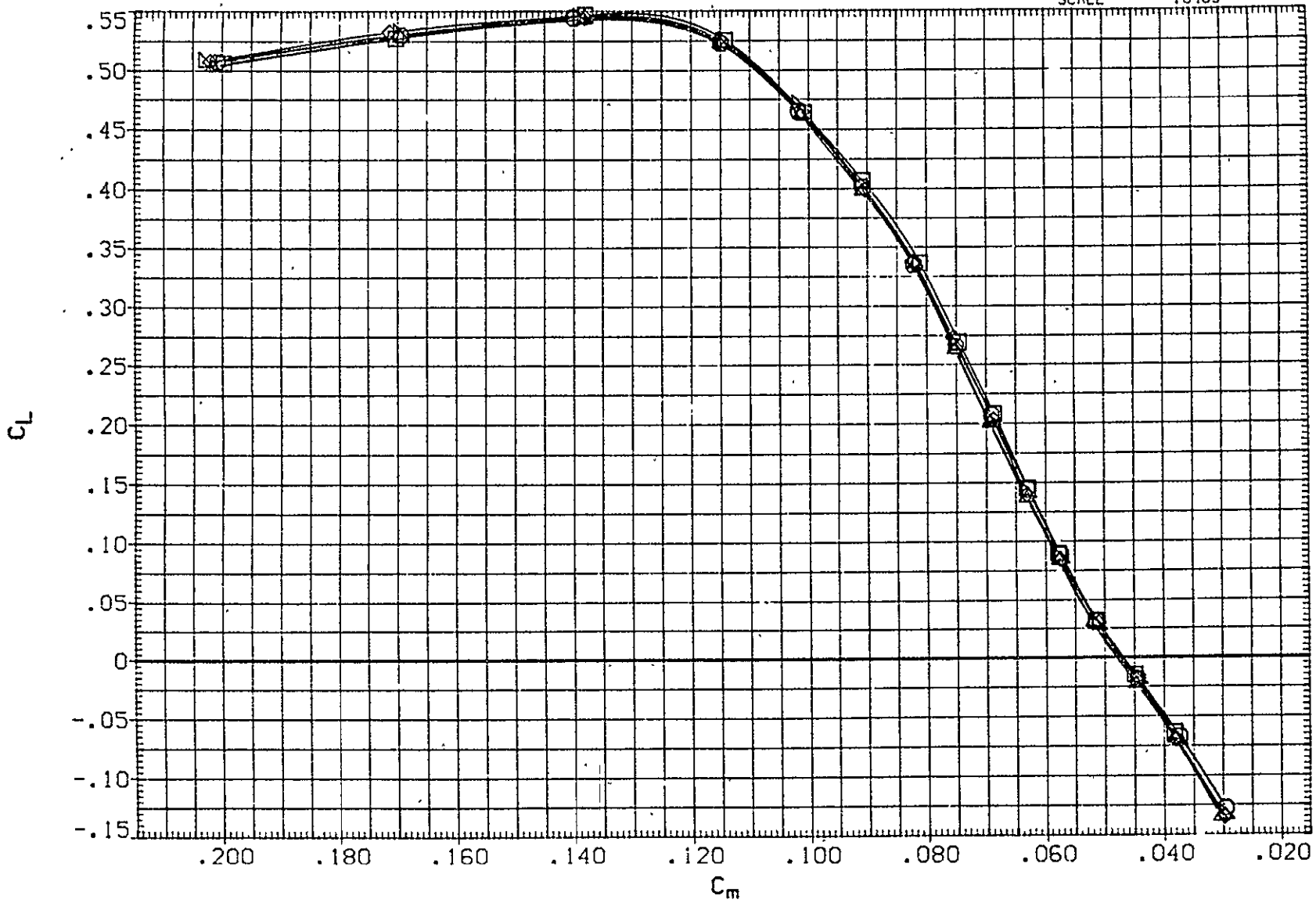

FIG 224 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF115)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF116)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	3.000	-11.700	.000
(TJF117)	◇	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	.000	-11.700	.000
(TJF118)	△	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-4.000	-11.700	.000
(TJF119)	▽	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

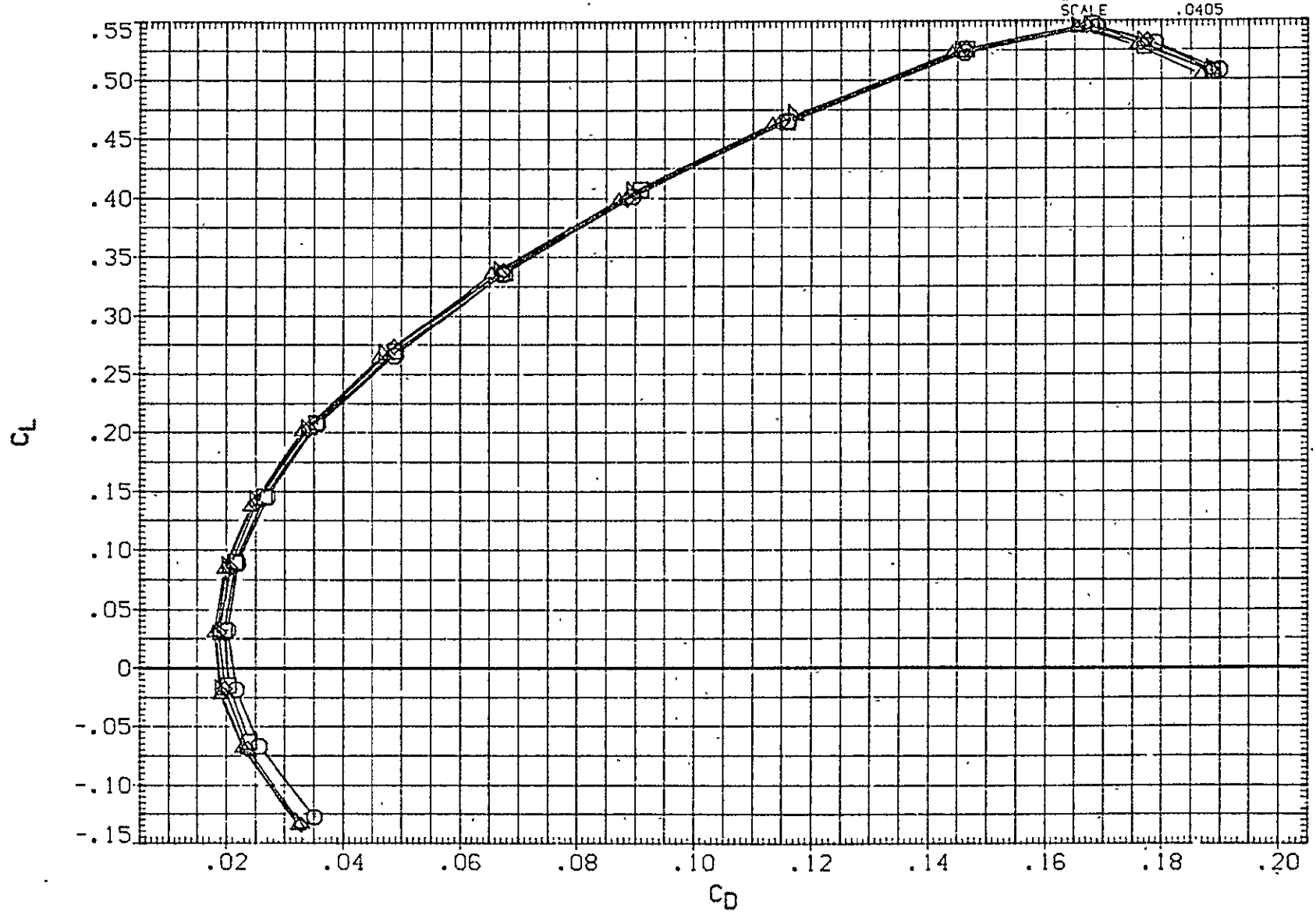

FIG 224 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000
(TJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

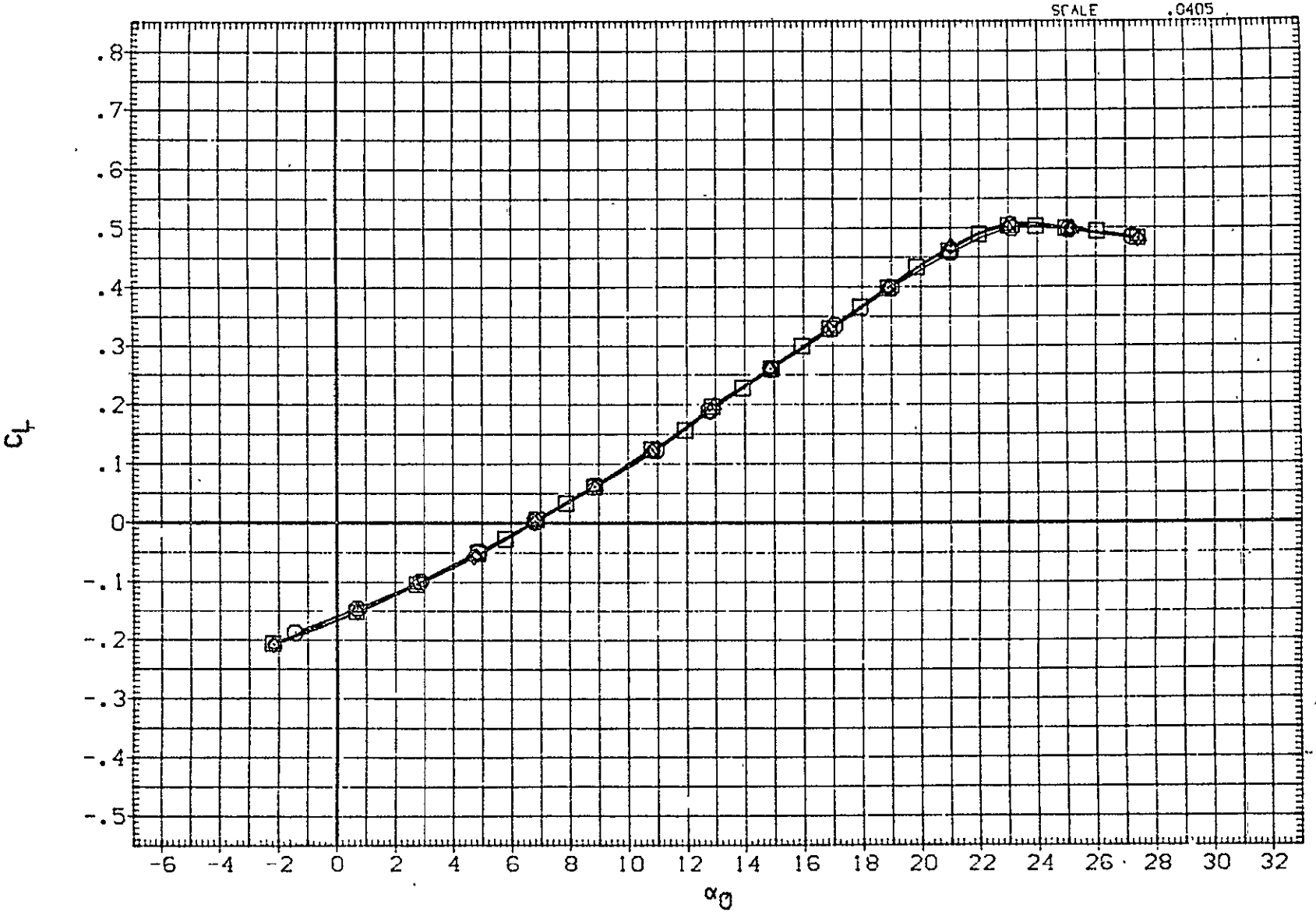

FIG 225 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS 20. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000
(TJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMPP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

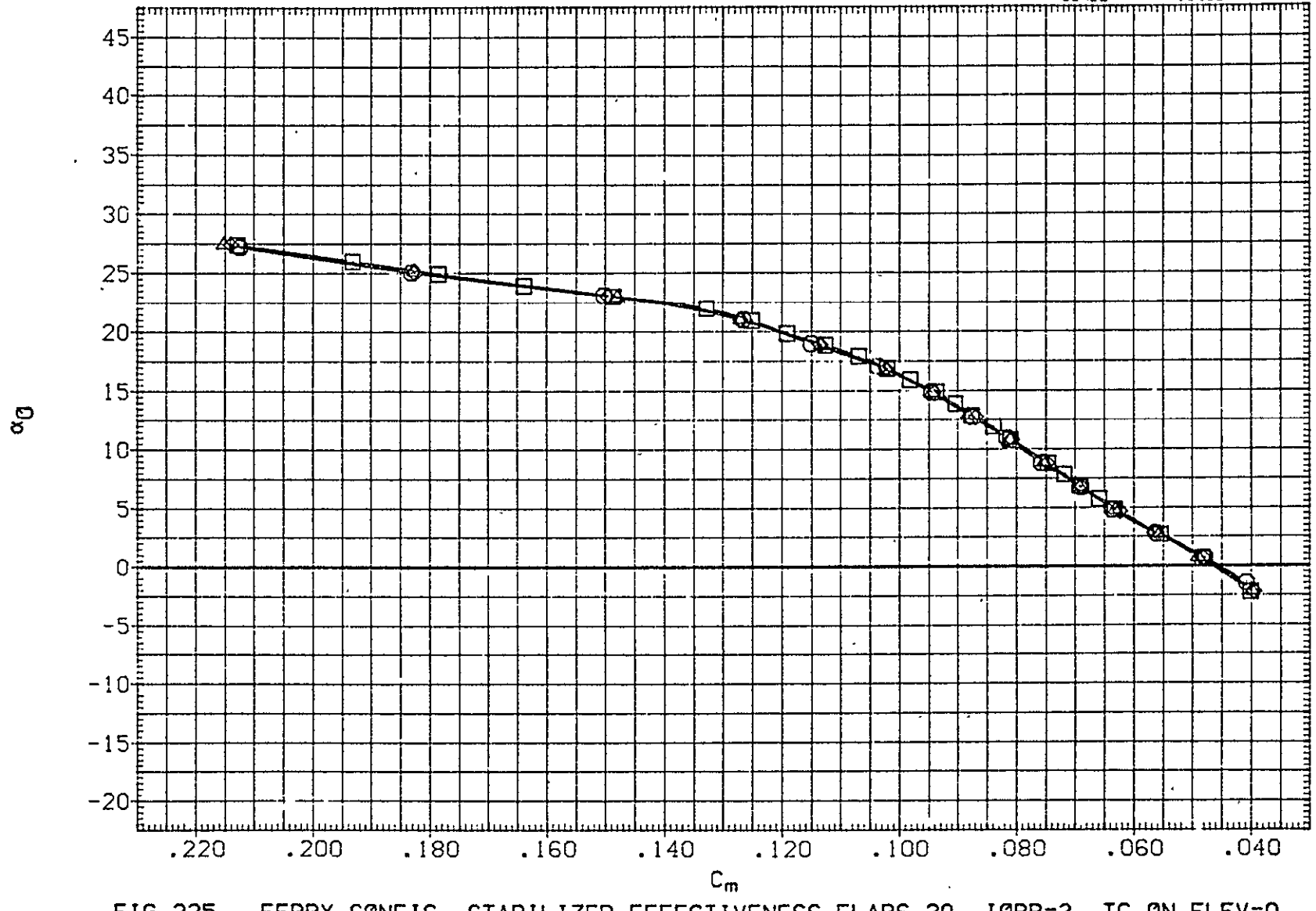

FIG 225 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS 20. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000
(TJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

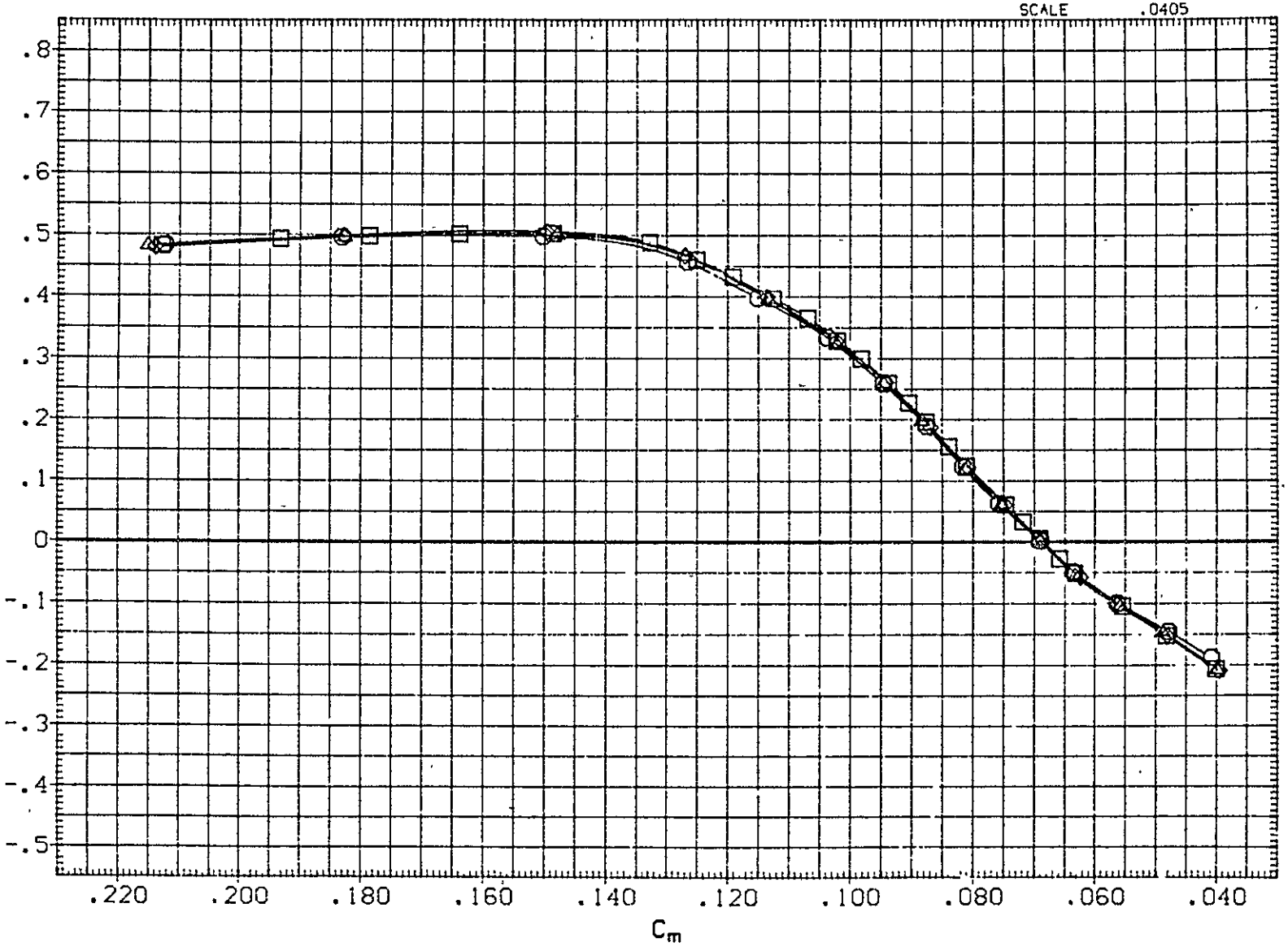

FIG 225 FERRY CONFIG. STABILIZER EFFECTIVENESS,FLAPS 20, IORB=3, TC ON,ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH. = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF097)	○	(CA-8) K2V9.1.2TS5 F20TS401			-11.700	.000
(TJF094)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF095)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF096)	△	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-6.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

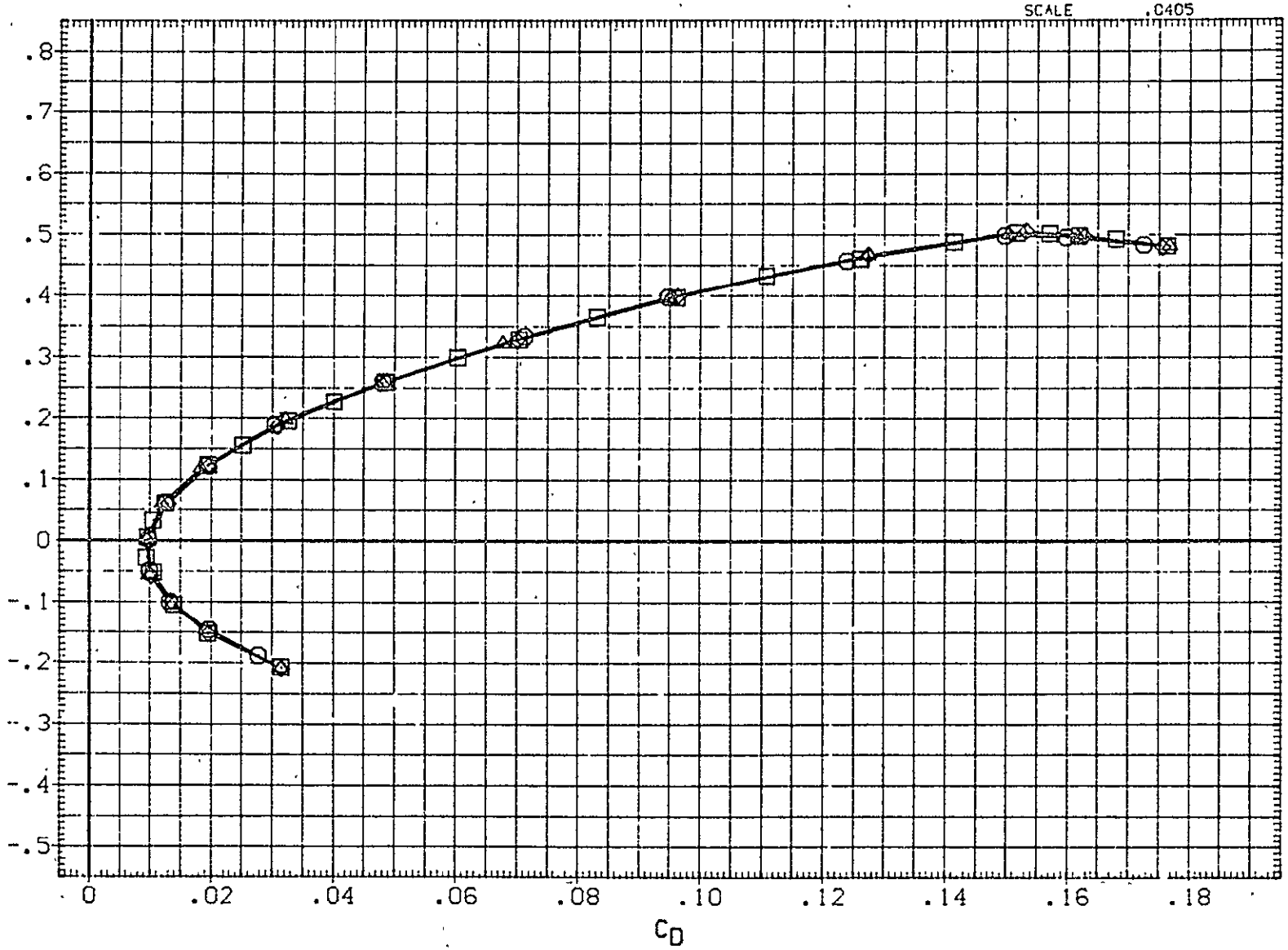

FIG 225 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS 20, IORB=3, TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000
(TJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF039)	◁	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

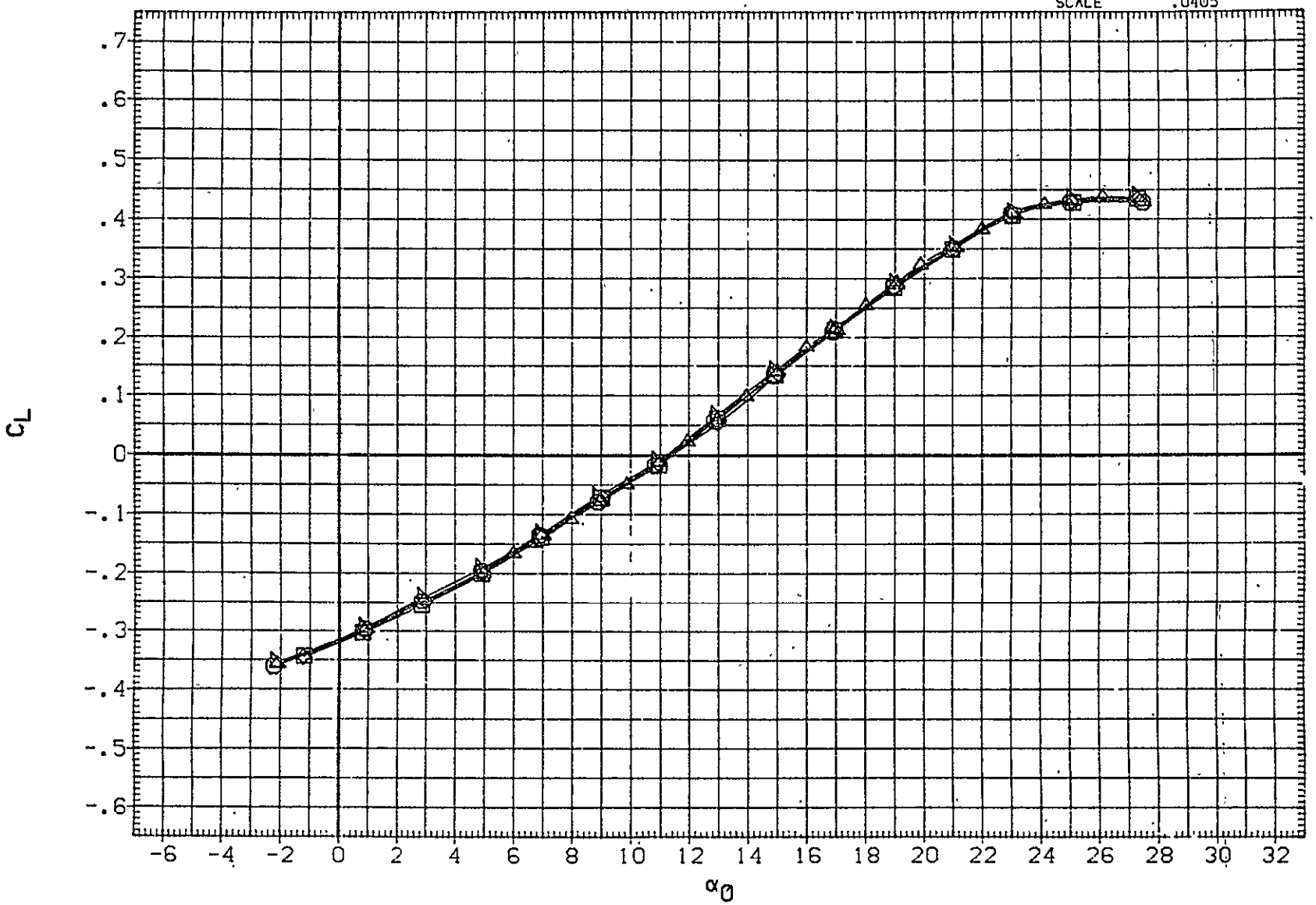

FIG 226 FERRY CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000
(TJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

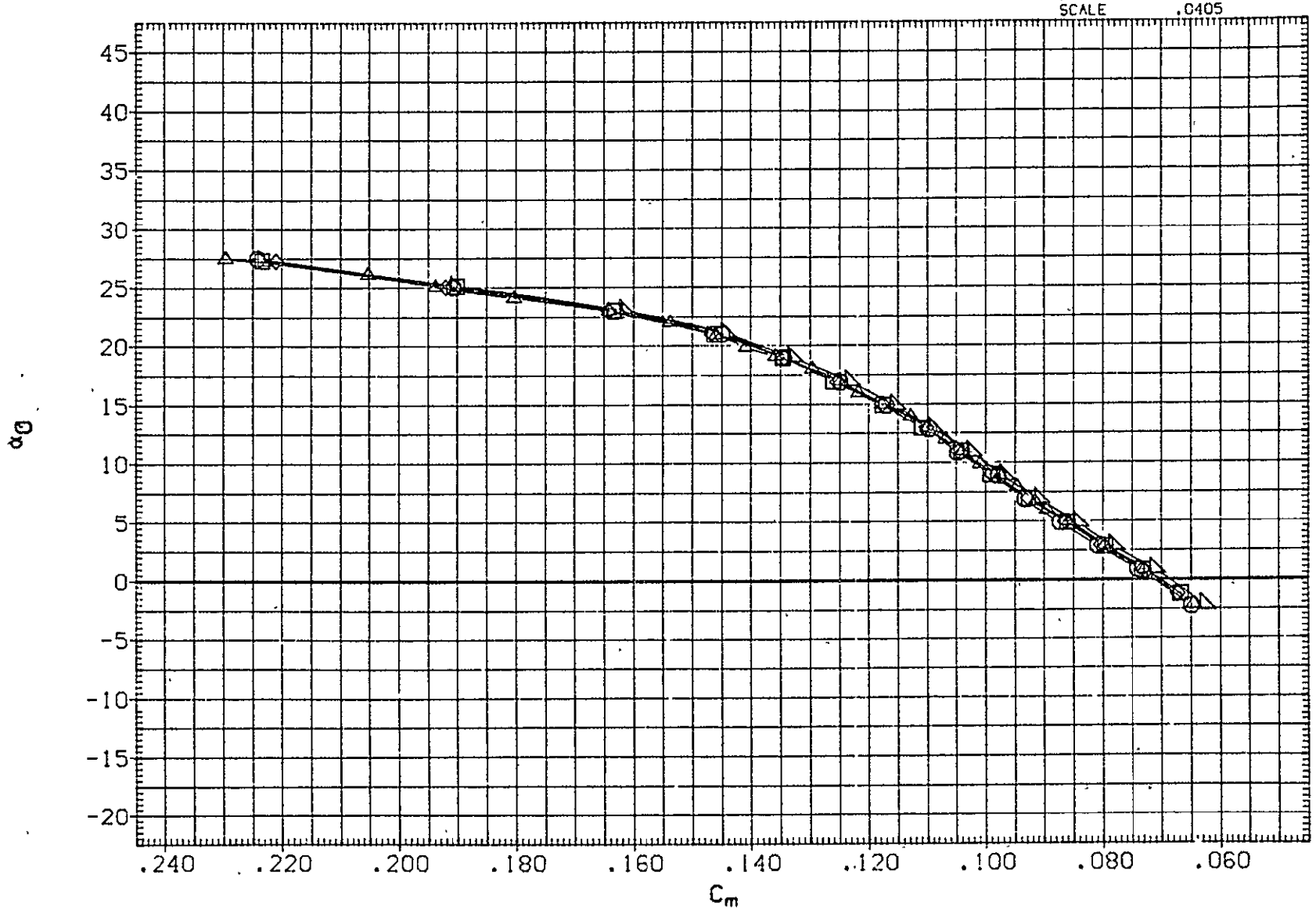

FIG 226 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30. IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-11.700	.000
(TJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	-11.700	.000
(TJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF039)	▽	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

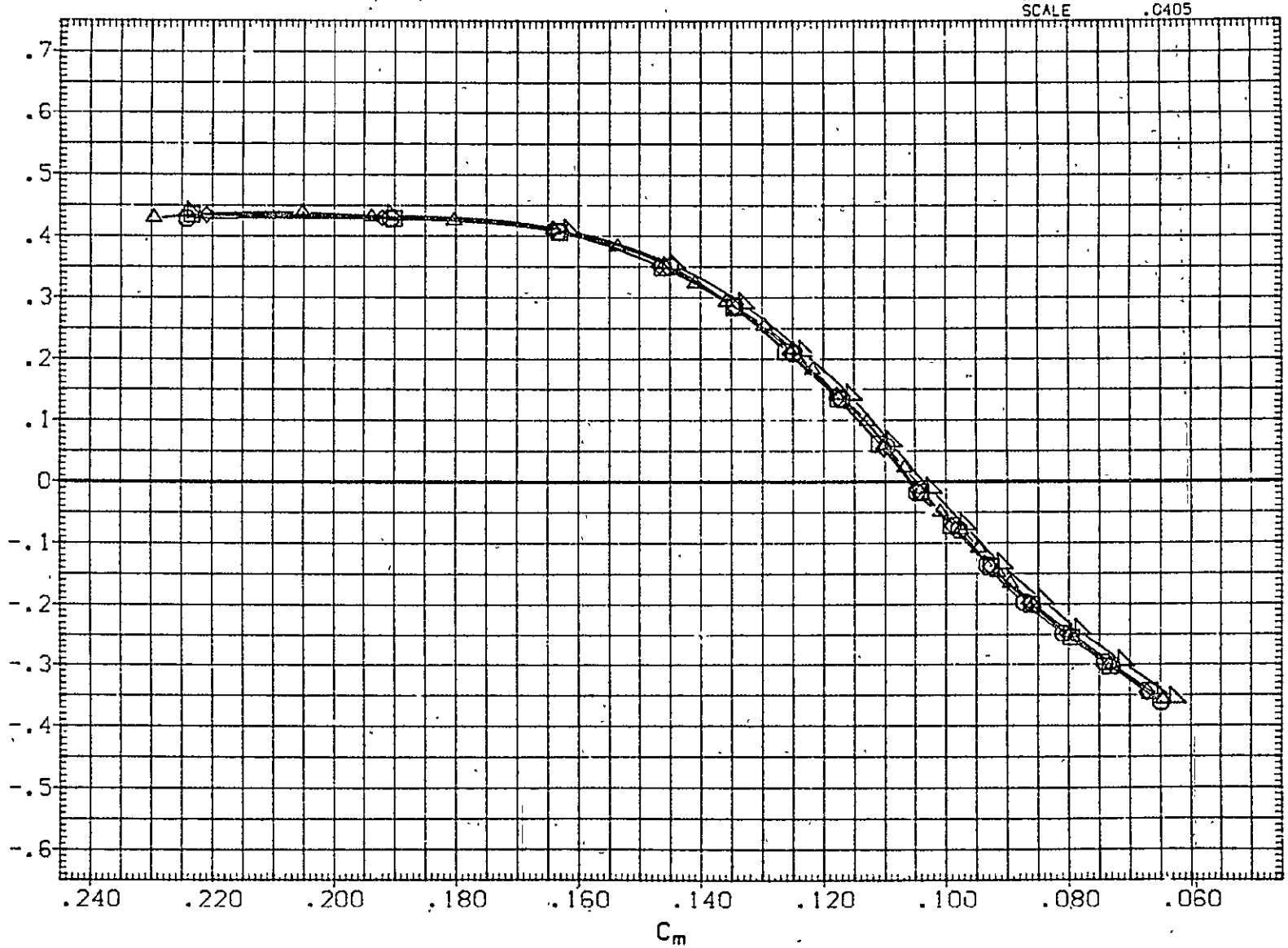

FIG 226 FERRY CONFIG. STABILIZER EFFECTIVENESS.FLAPS 30. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BODFLAP	BETA
(TJF043)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			-1.700	.000
(TJF036)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-6.000	- 1.700	.000
(TJF037)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	- 1.700	.000
(TJF038)	△	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-2.000	- 1.700	.000
(TJF039)	◁	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-.1.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

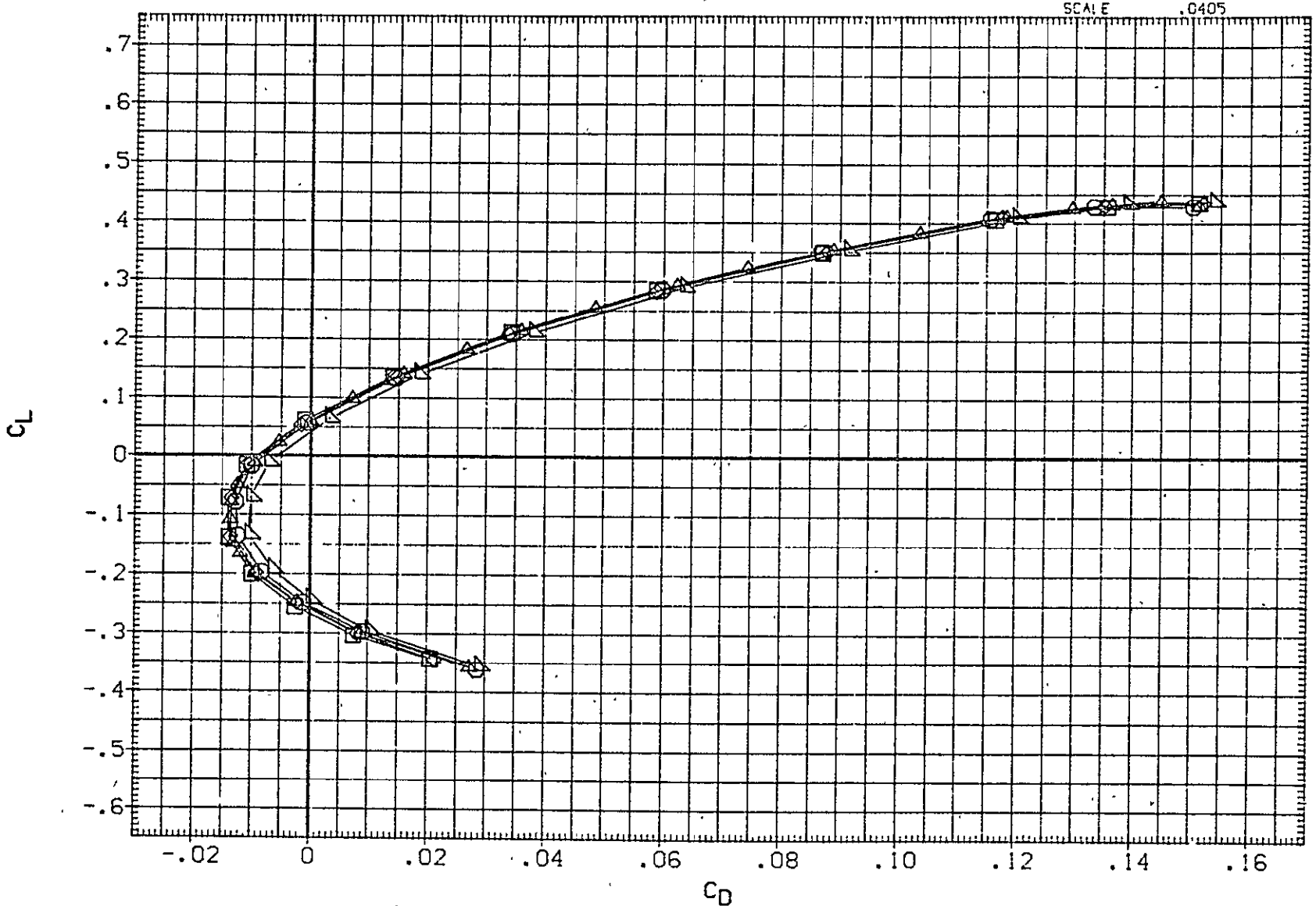

FIG 226 FERRY CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000
(TJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000
(TJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

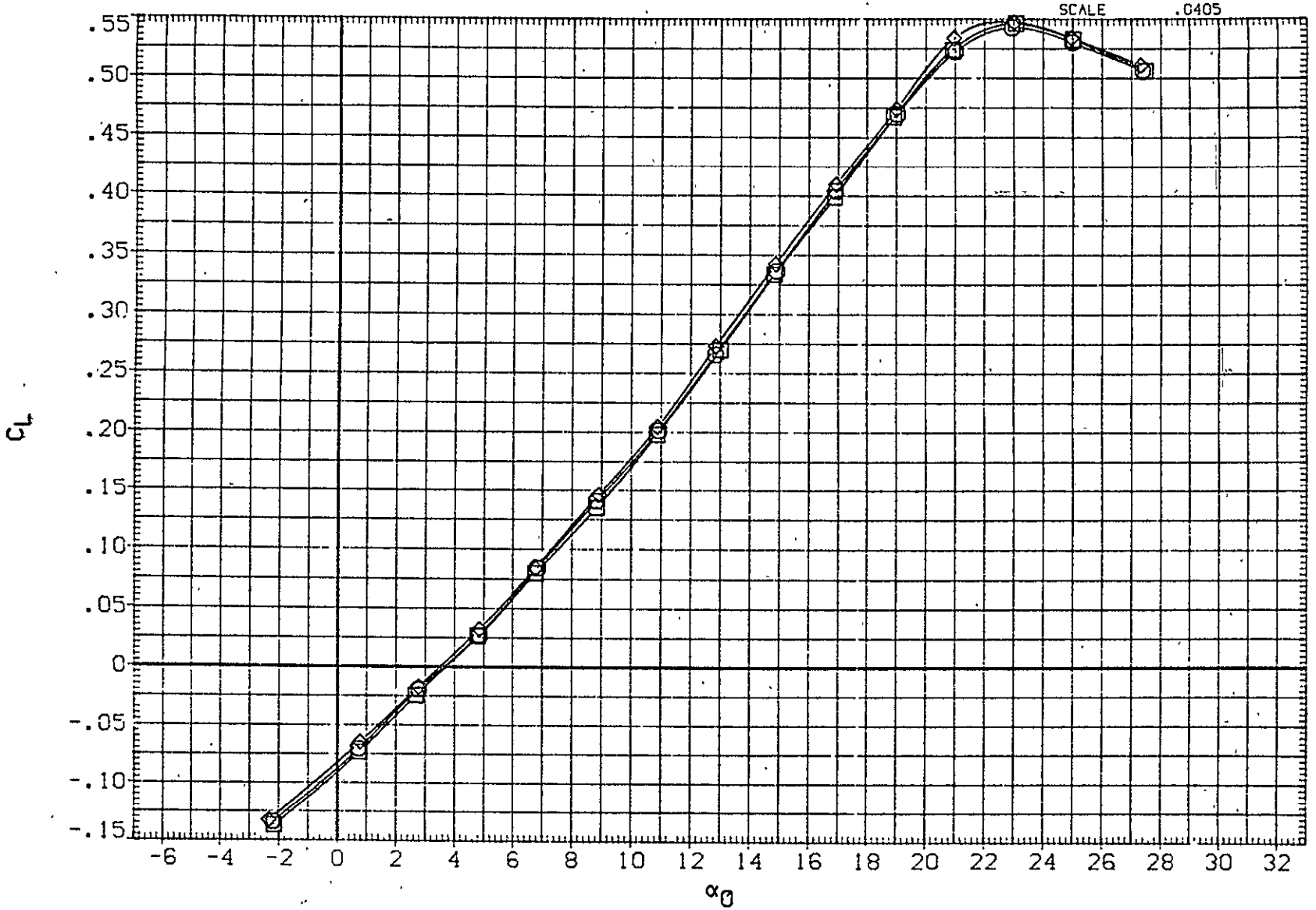

FIG 227 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3. TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000
(TJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000
(TJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

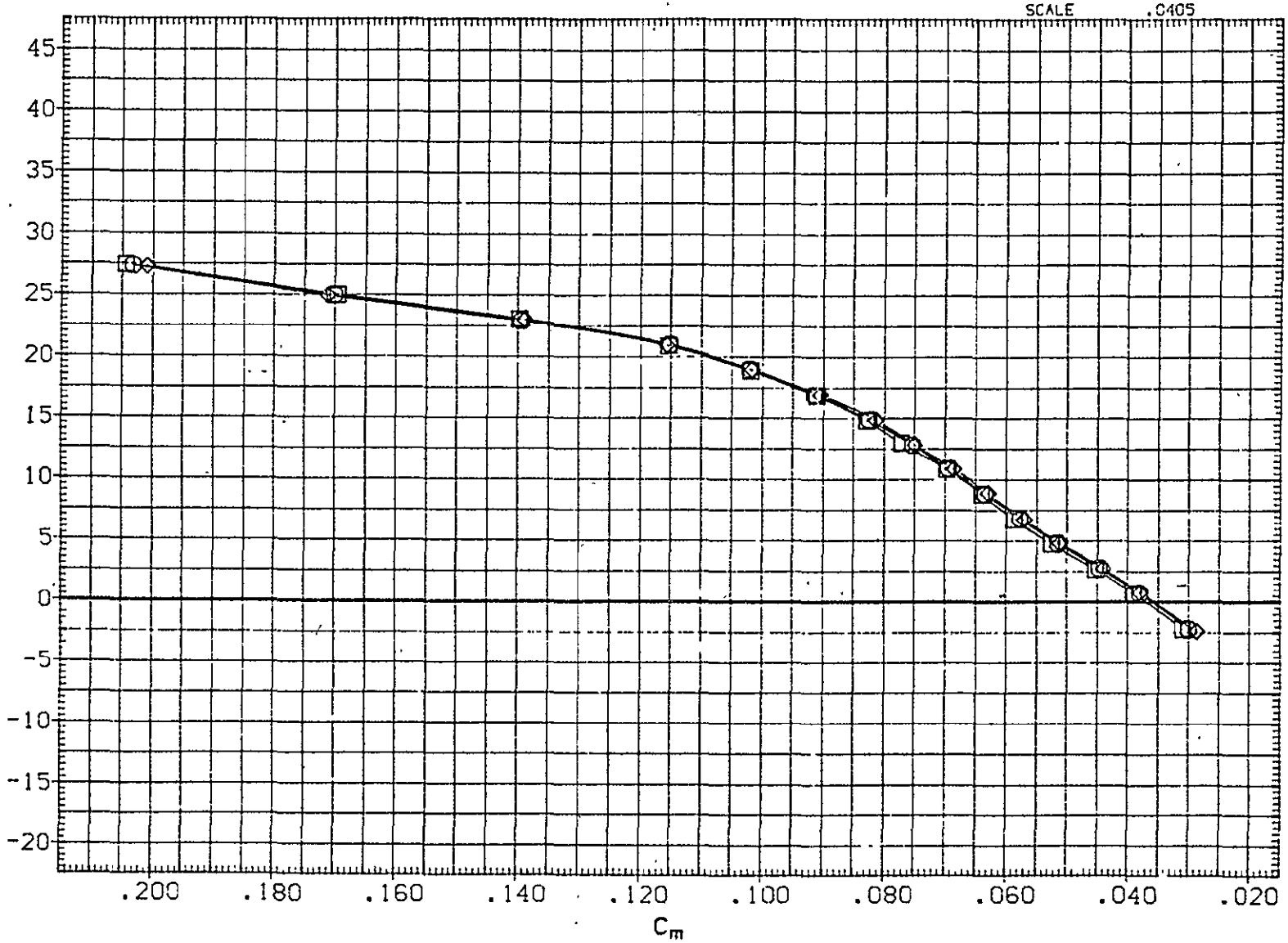

FIG 227 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000
(TJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000
(TJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

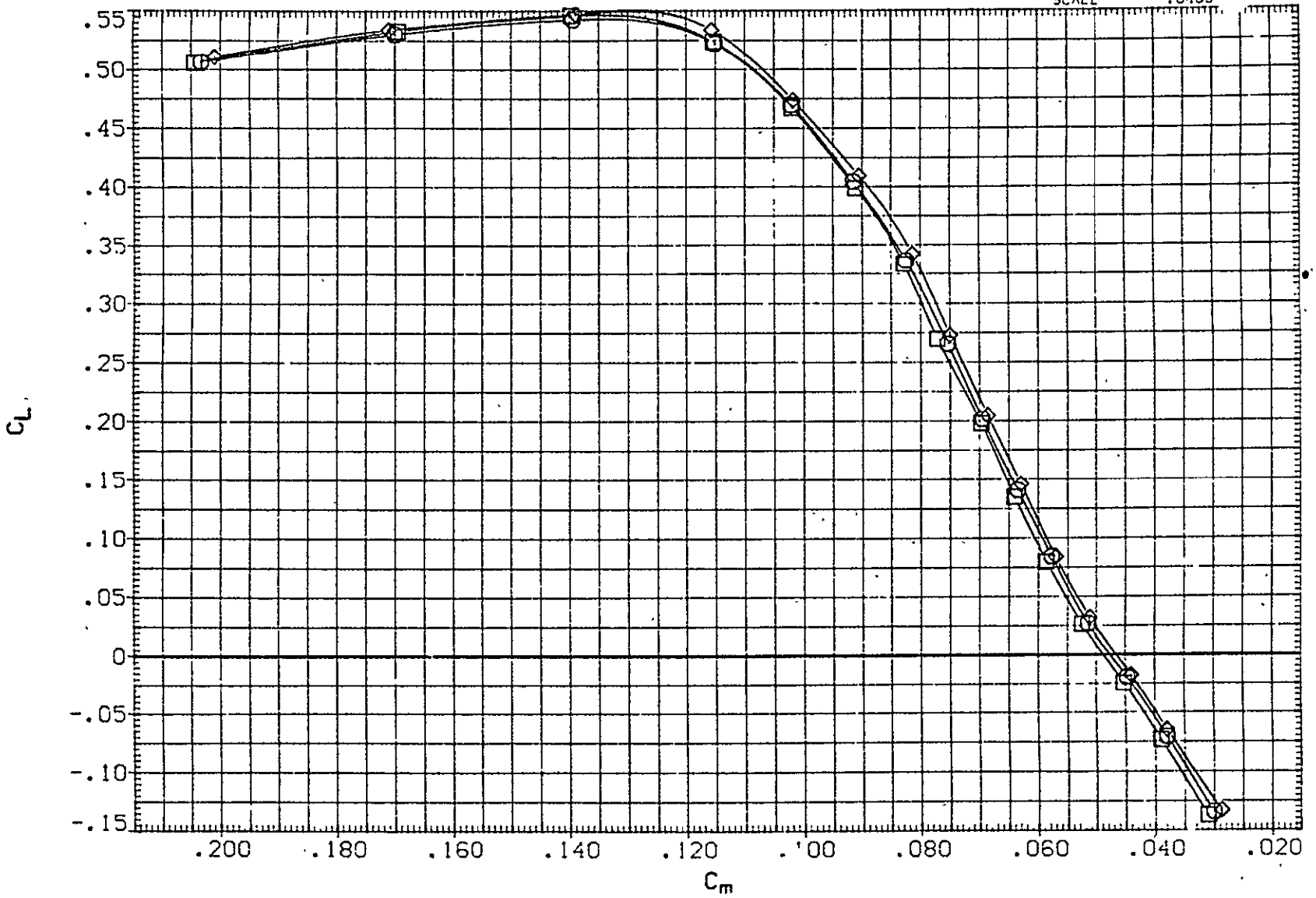

FIG 227 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF119)	○	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	.000	-2.000	-11.700	.000
(TJF120)	□	(CA-8) K2V9.1.2TS5H15.6.1F10TS401	-23.000	-2.000	-11.700	.000
(TJF121)	◇	(CA-8) K2V9.1.2TS6H15.6.1F10TS401	17.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XØ
YMRP	.0000	IN. YØ
ZMRP	375.0000	IN. ZØ
SCALE	.0405	

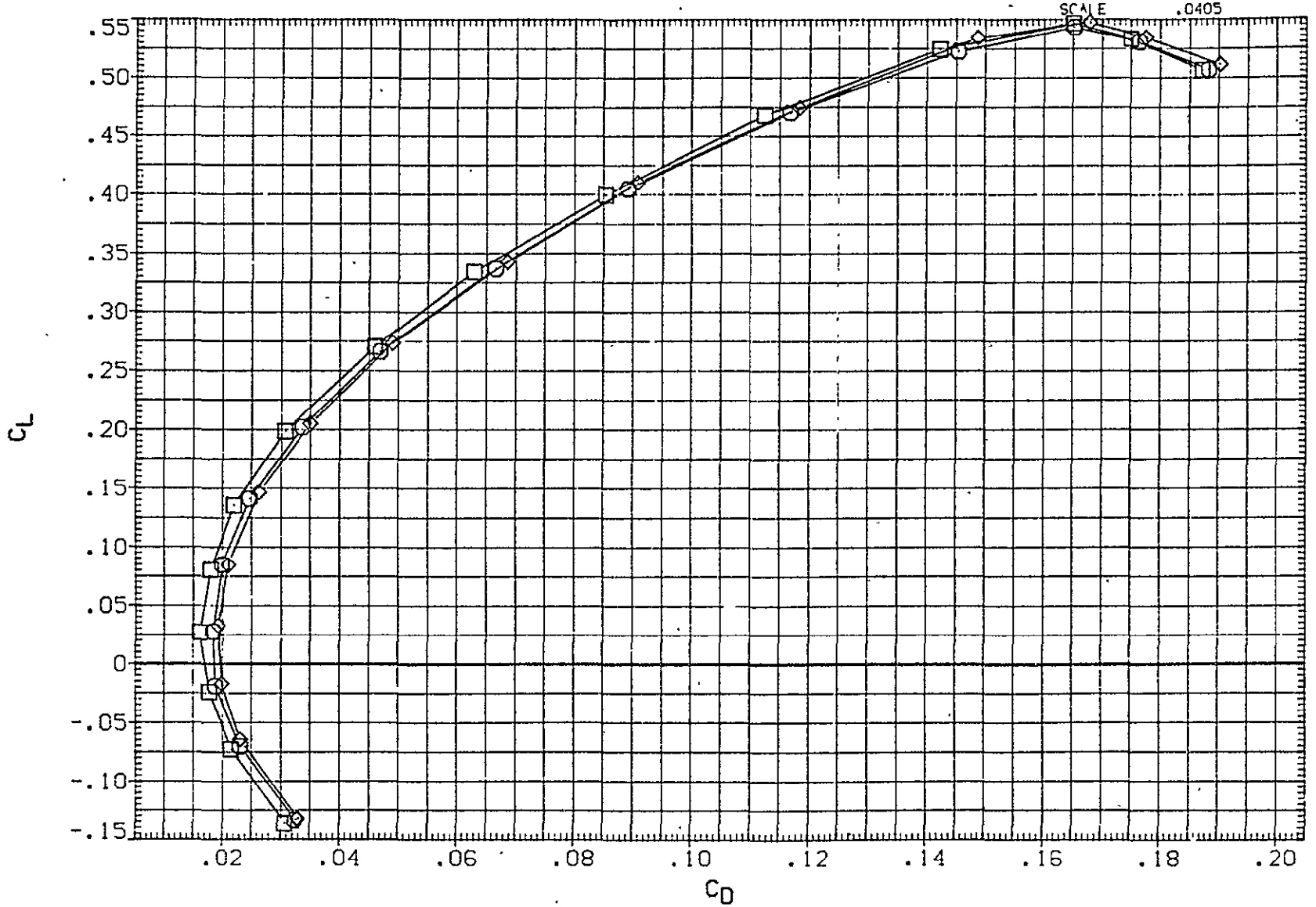

FIG 227 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 10. IØRB=3. TC ØN. ELEV=0
ØRBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF095)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF098)	⊡	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000
(TJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

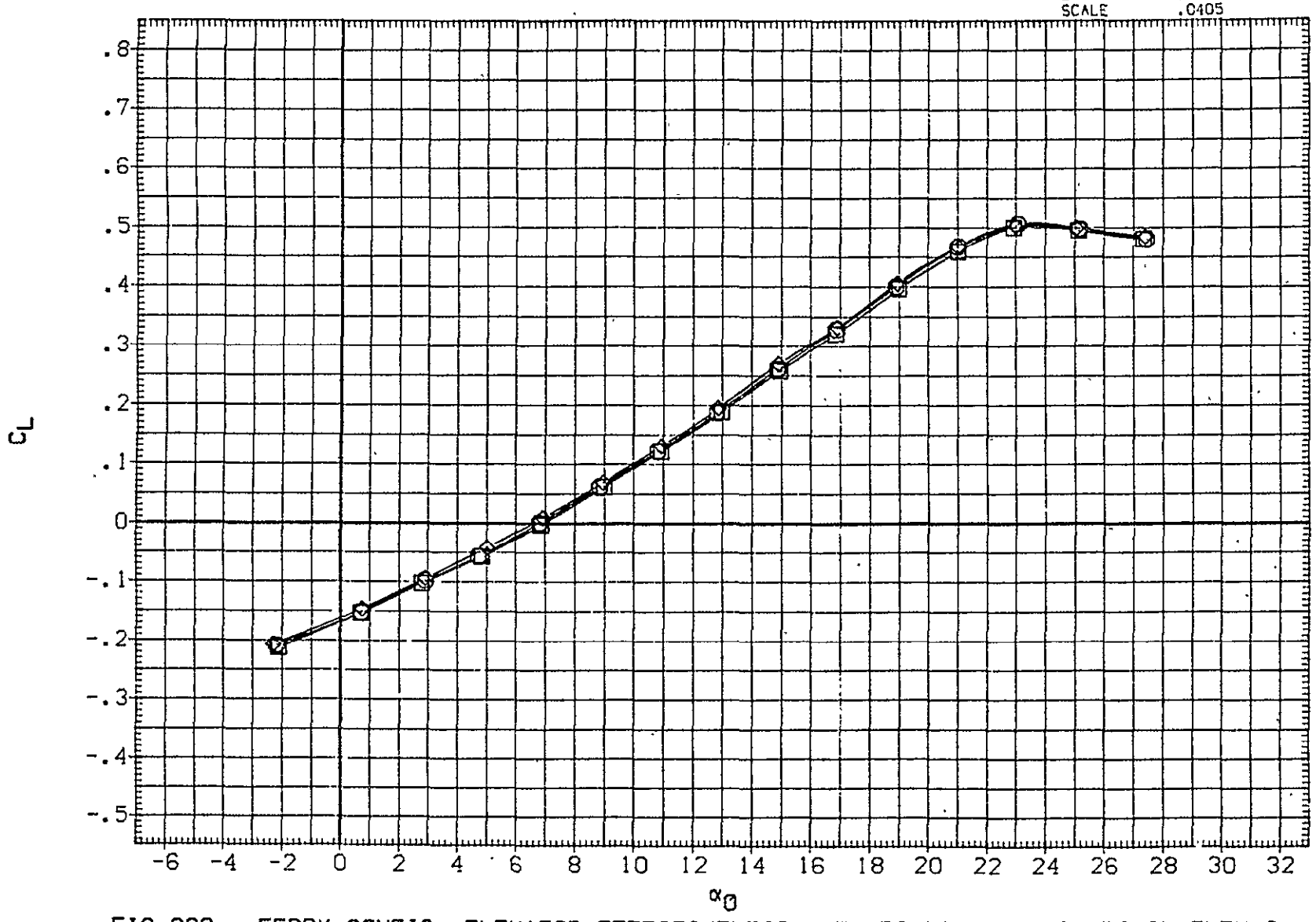

FIG 228 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000
(TJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

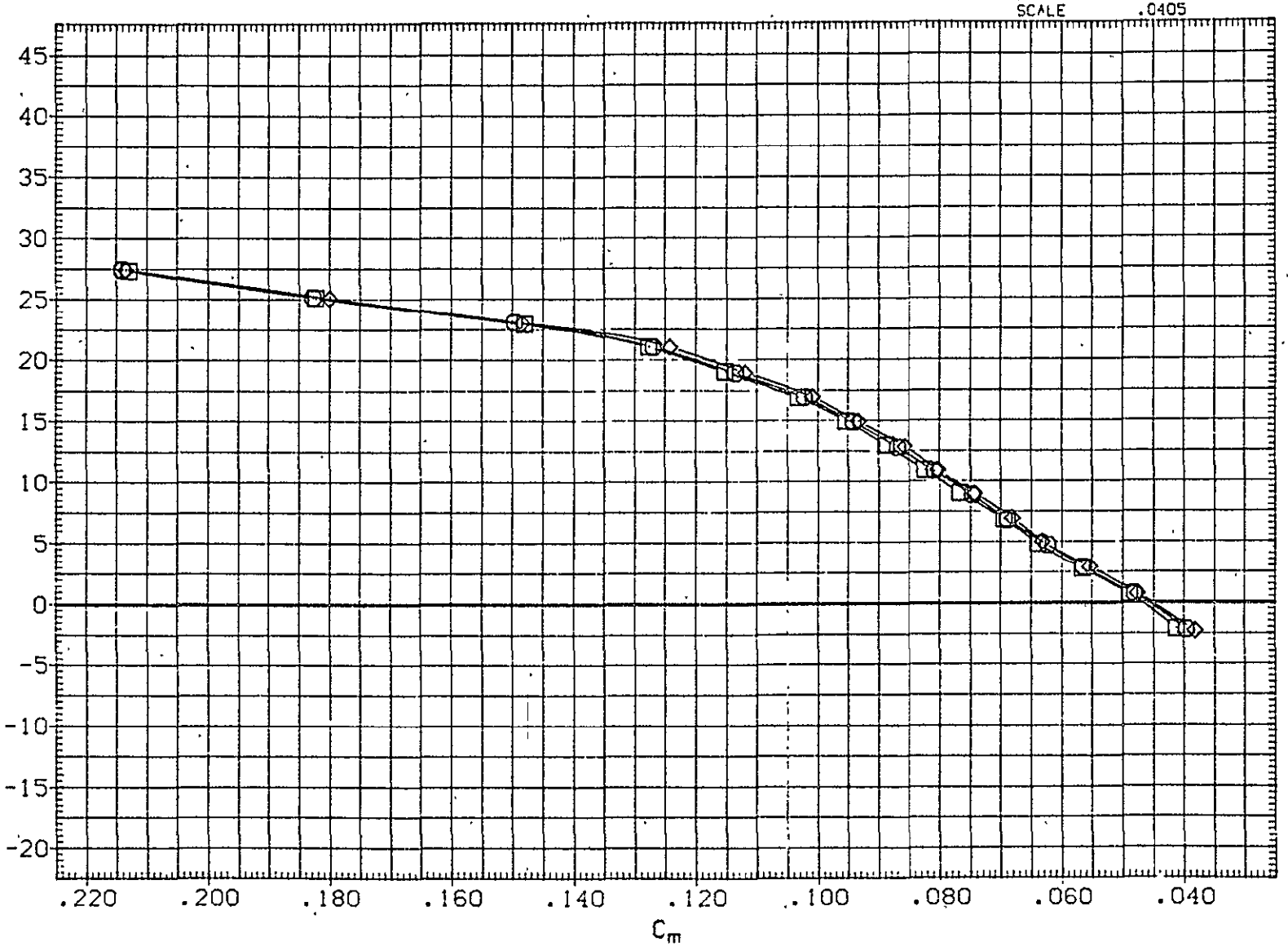

FIG 228 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF095)	○	(CA-8) K2V3.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000
(TJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

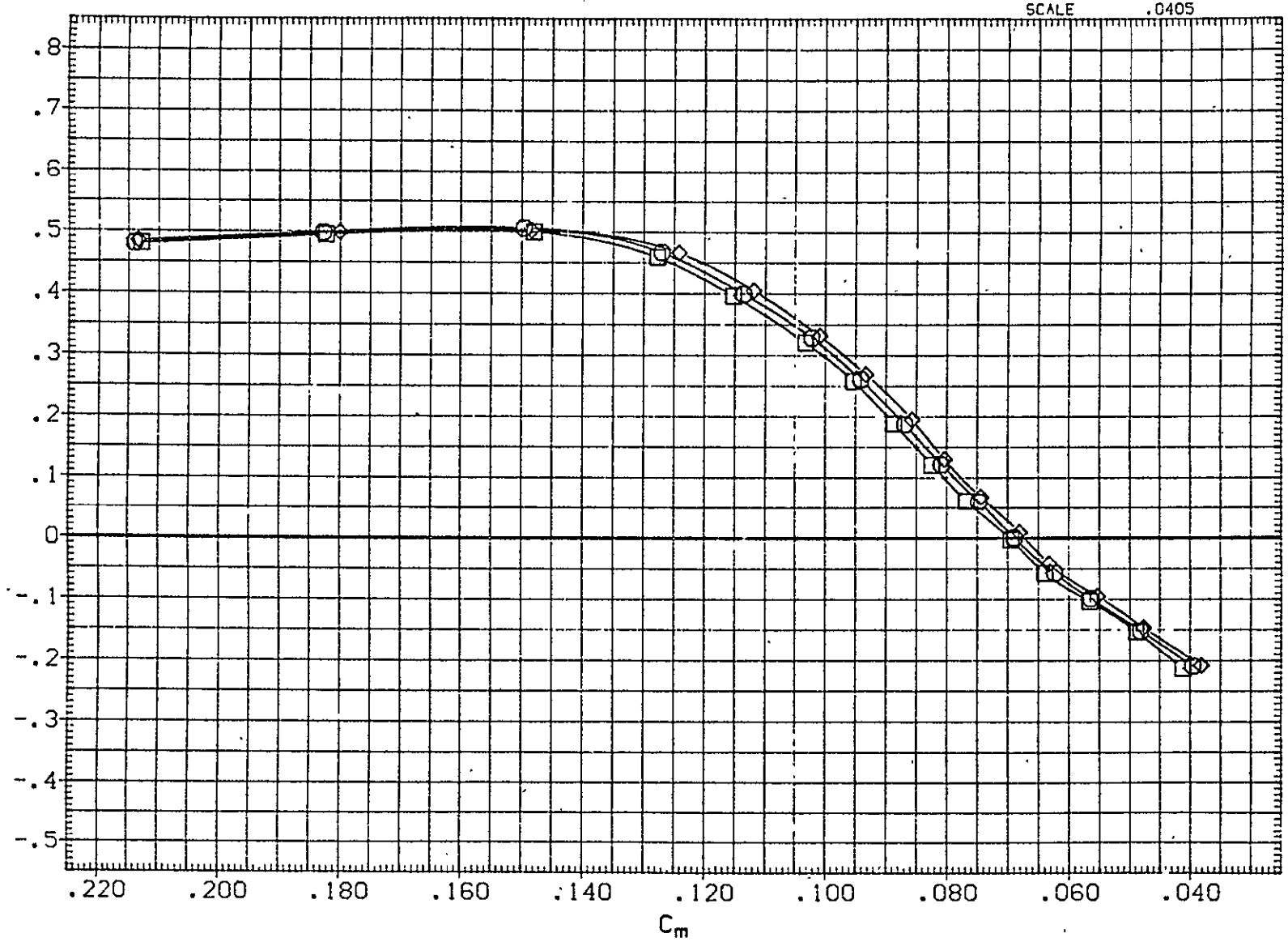

FIG 228 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF095)	○	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF098)	□	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	-23.000	-4.000	-11.700	.000
(TJF099)	◇	(CA-8) K2V9.1.2TS5H15.6.1F20TS401	17.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. rC
ZMRP	375.0000	IN. Z0
SCALE	.0405	

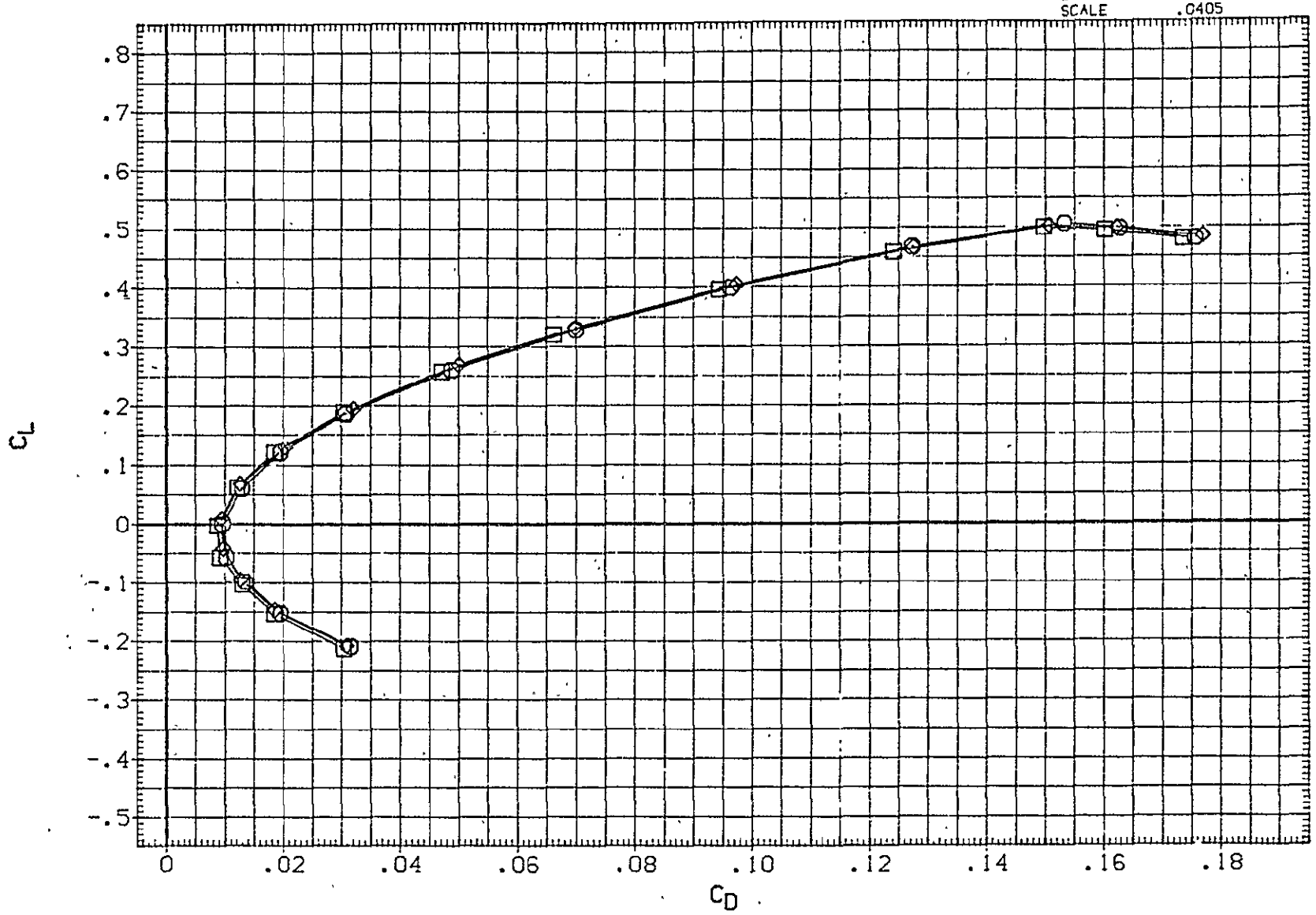

FIG 228 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000
(TJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	-11.700	.000
(TJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000
(TJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

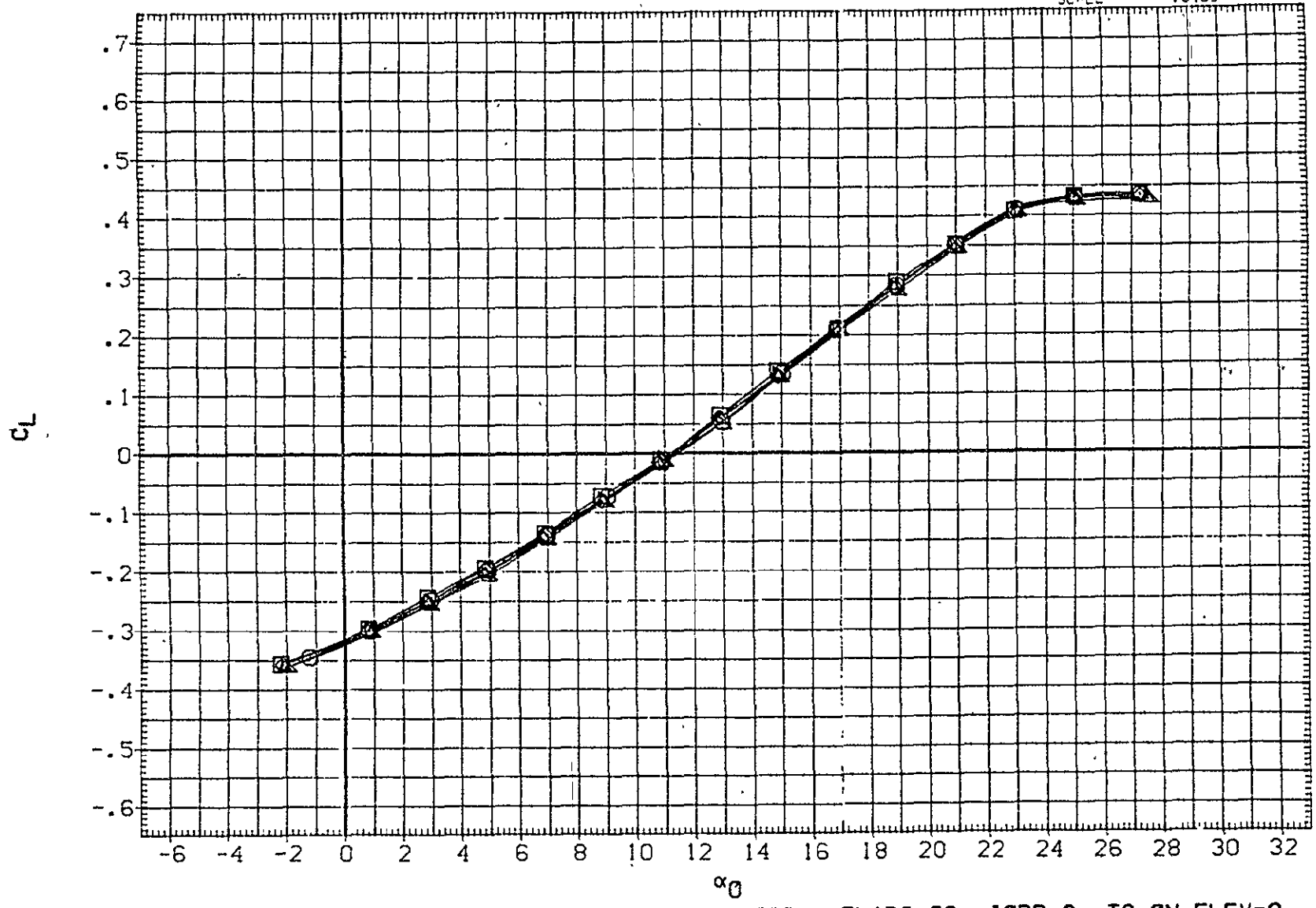

FIG 229 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000
(TJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	-11.700	.000
(TJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000
(TJF042)	◺	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

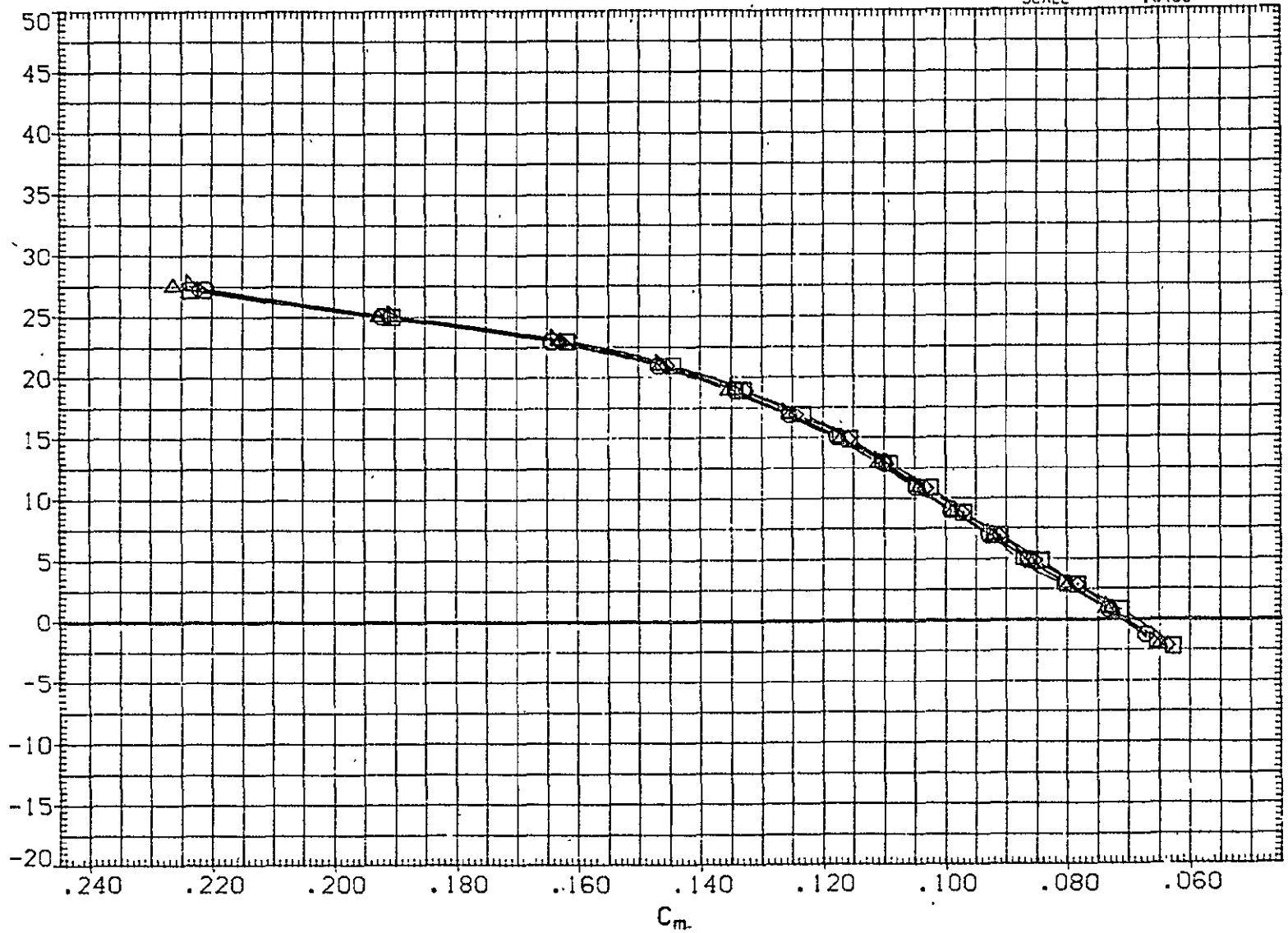

FIG 229 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=3, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000
(TJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	-11.700	.000
(TJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000
(TJF042)	▽	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

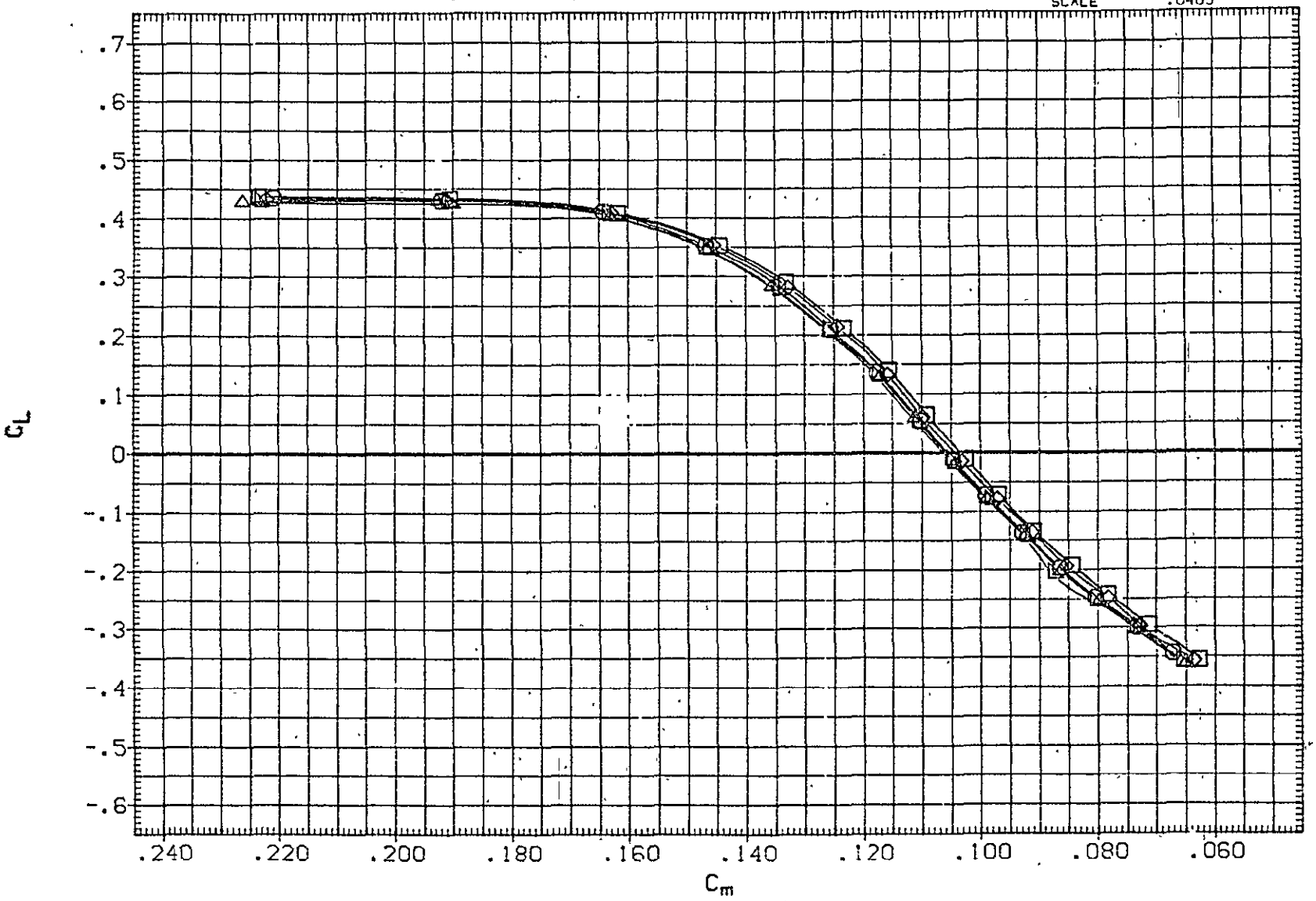

FIG 229 FERRY CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF037)	○	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	.000	-4.000	-11.700	.000
(TJF039)	□	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	17.000	-4.000	-11.700	.000
(TJF040)	◇	(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401	10.000	-4.000	-11.700	.000
(TJF041)	△	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-4.000	-11.700	.000
(TJF042)	◁	(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

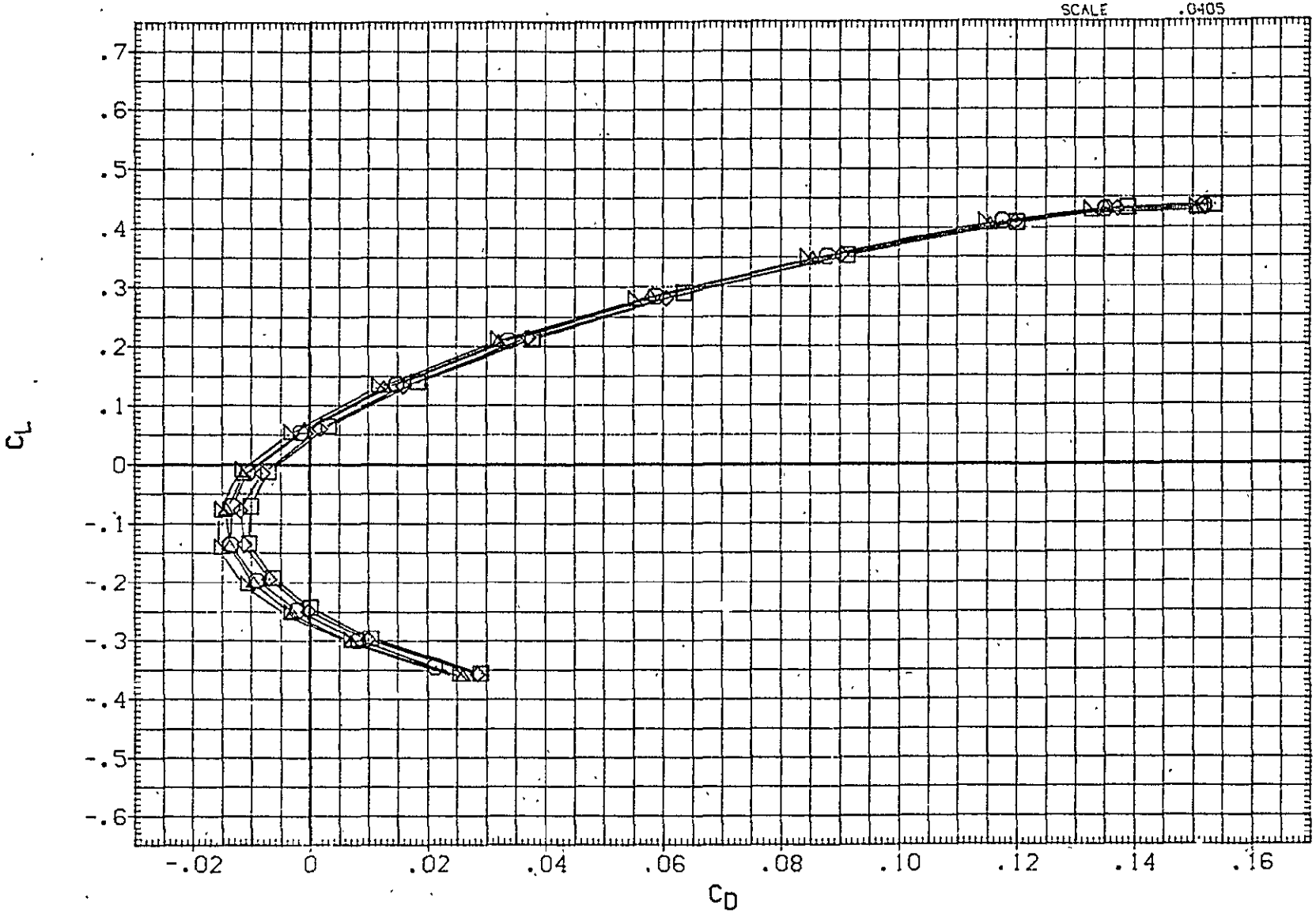

FIG 229 FERRY CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30. IORB=3. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000
(TJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

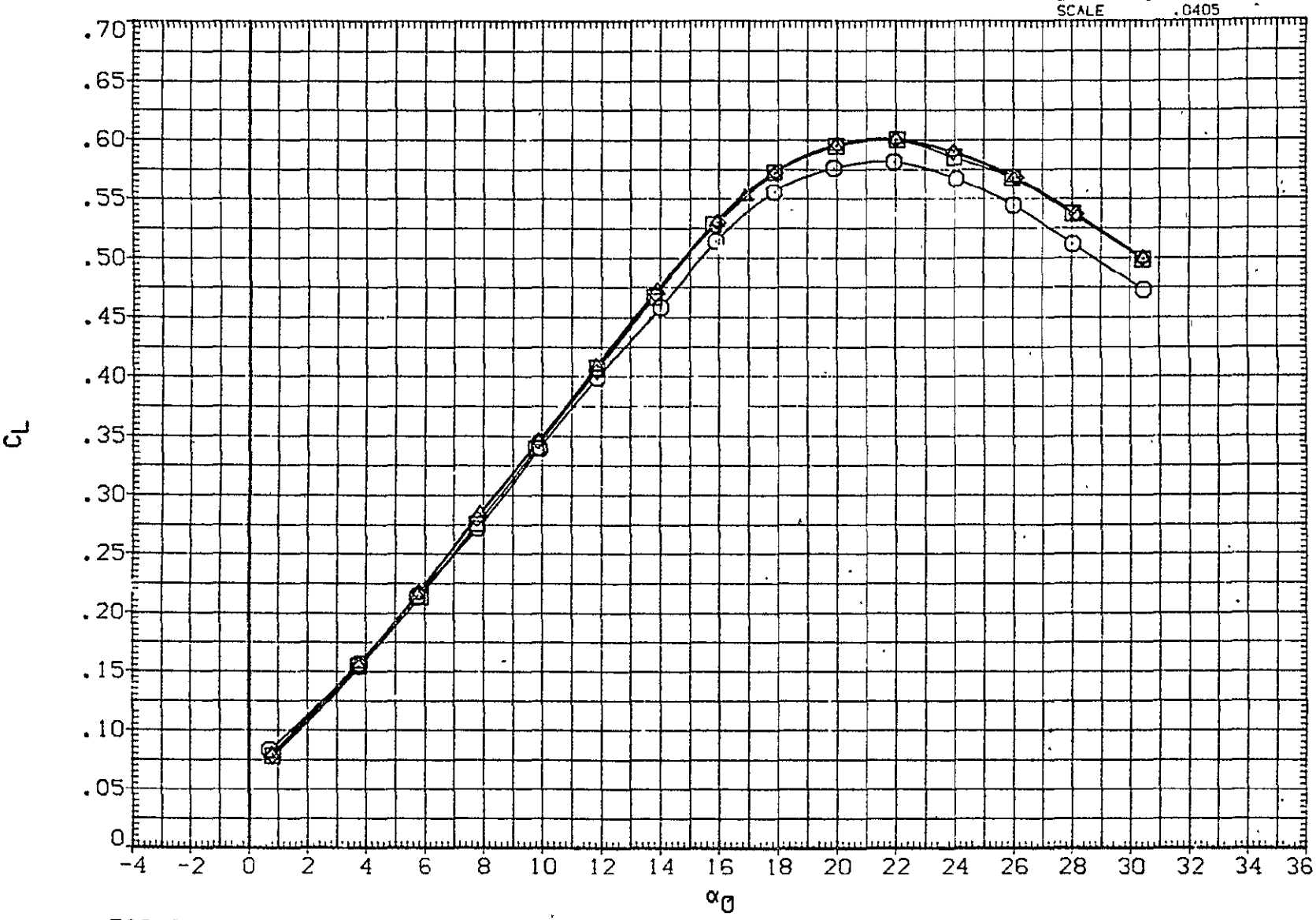

FIG 230 . ALT.CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP. IORB=6. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000
(TJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

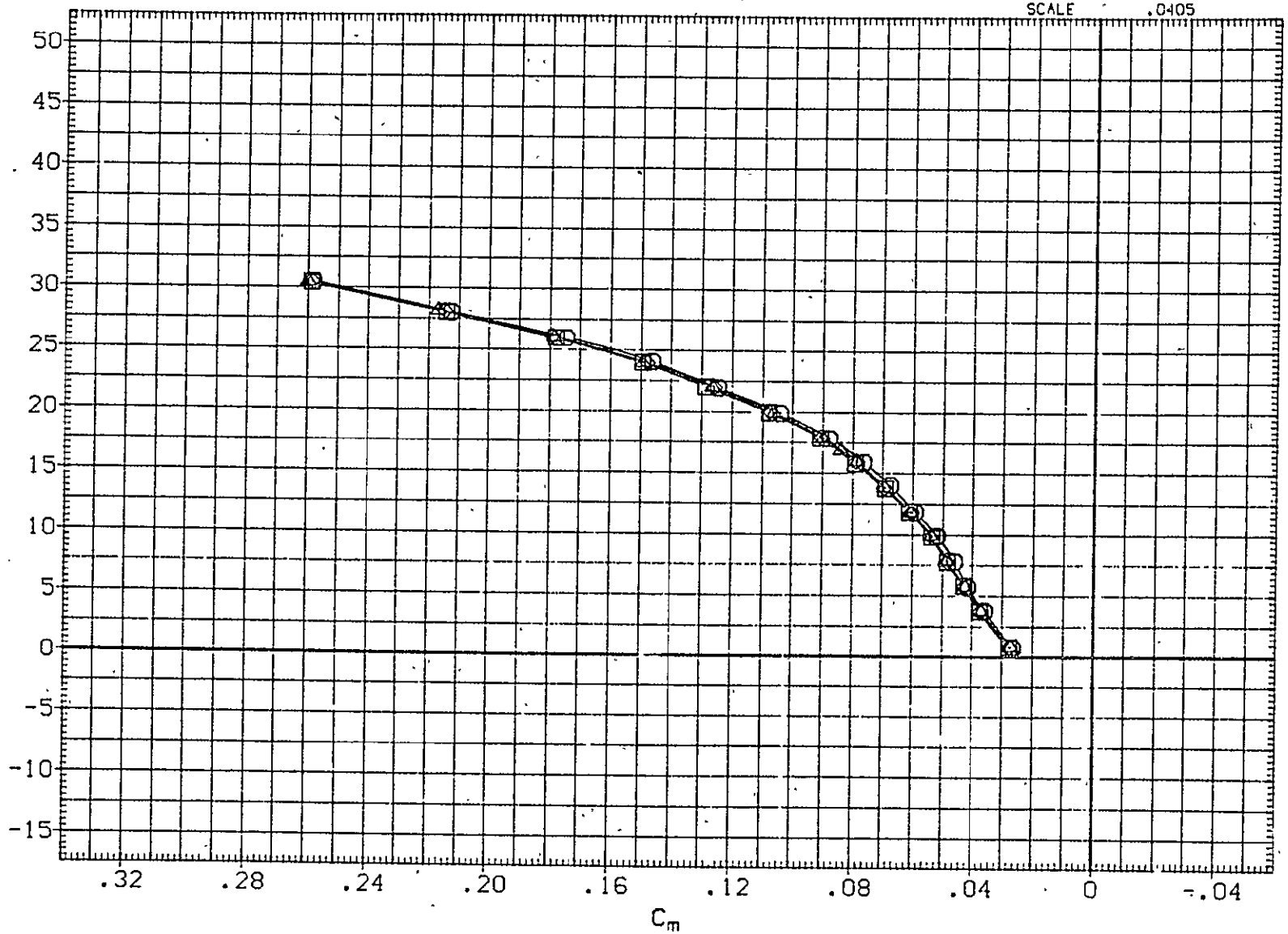

FIG 230 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000
(TJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

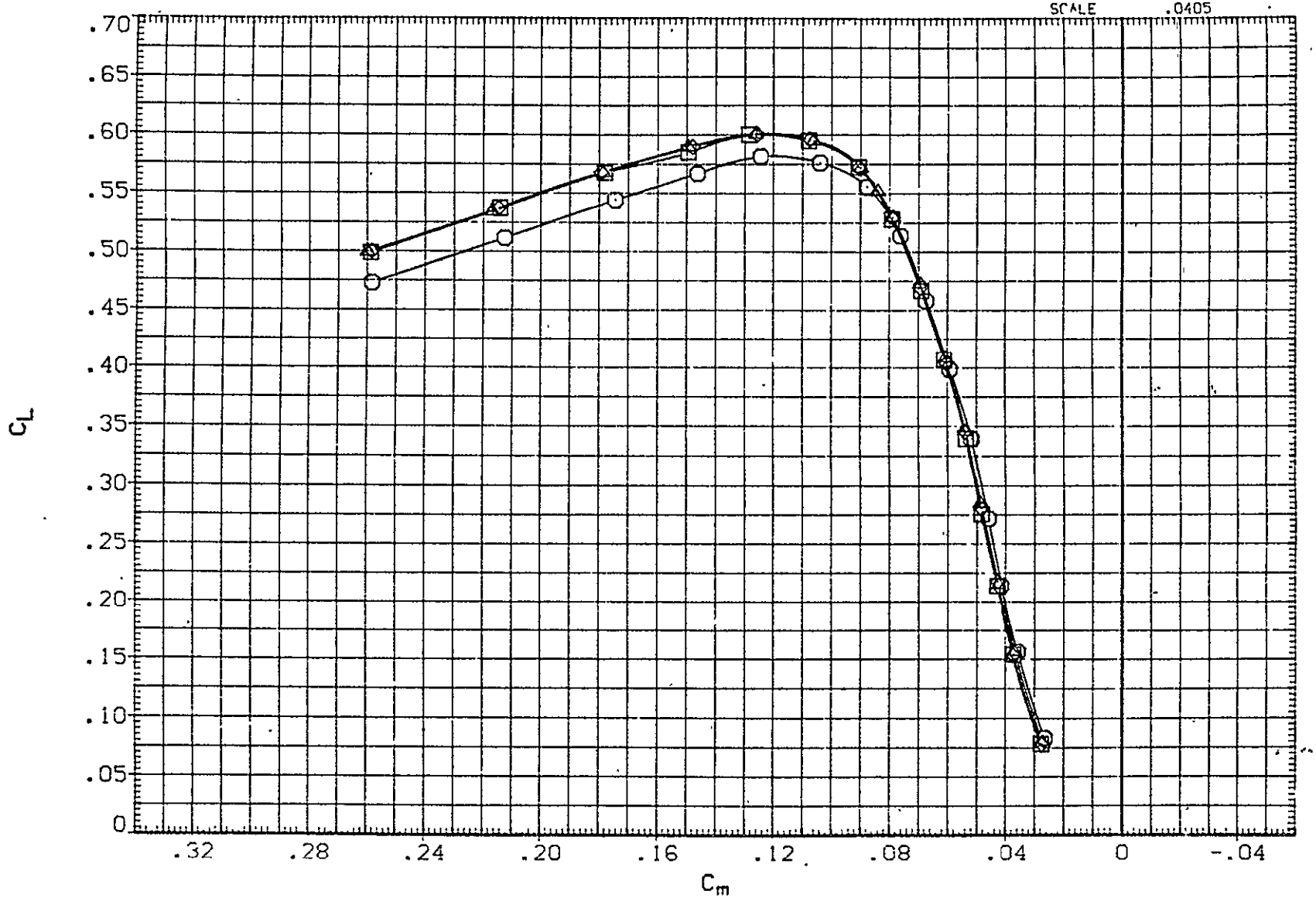

FIG 230 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP. IORB=6. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF129)	○	(CA-8) K3V9.1.2TS6 FOTS401			-11.700	.000
(TJF126)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-4.000	-11.700	.000
(TJF127)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	-2.000	-11.700	.000
(TJF128)	△	(CA-8) K3V9.1.2TS6H15.6.1FOTS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

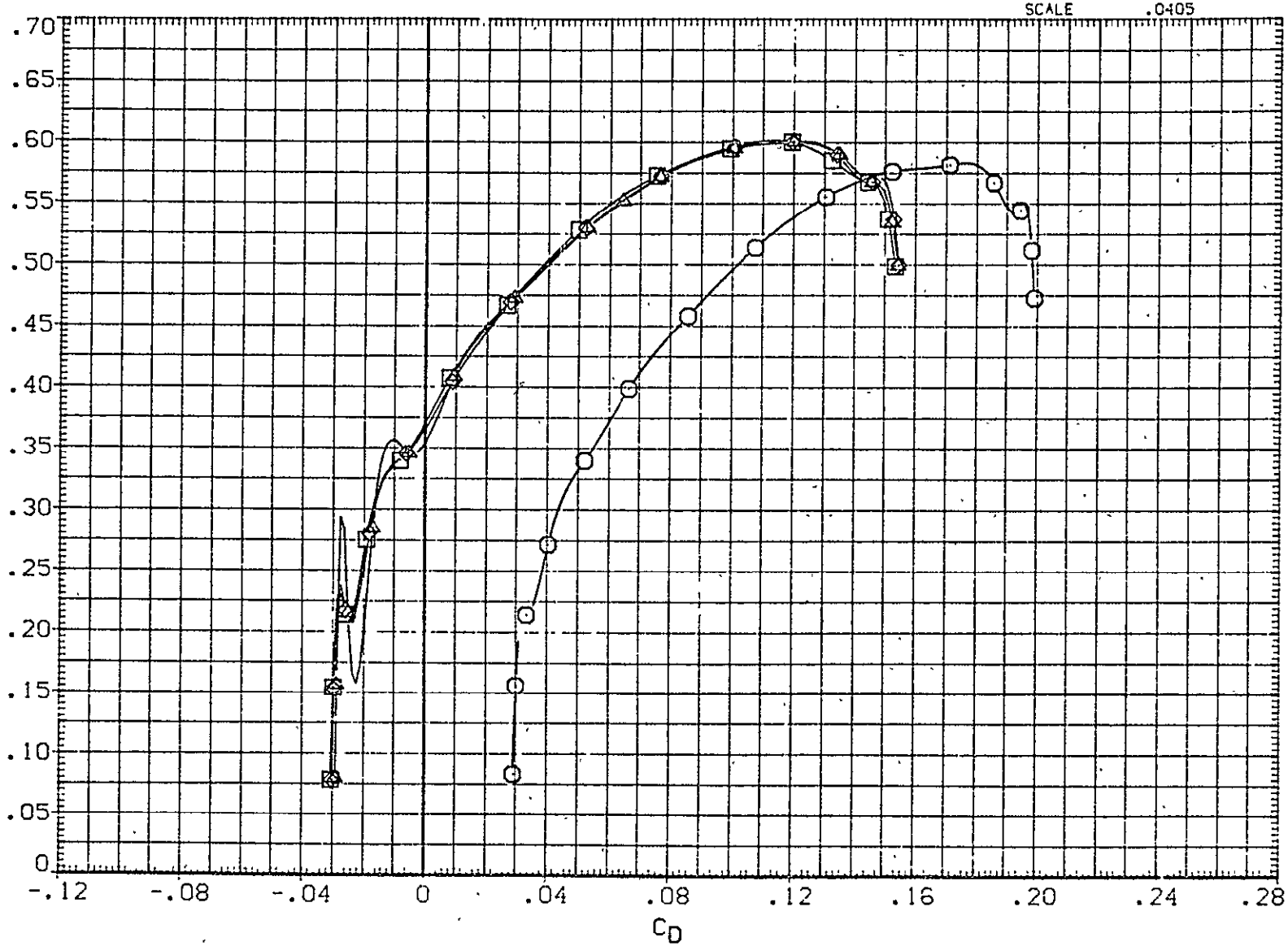

FIG 230 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC ON, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVT	STAB	BDFLAP	BETA
(TJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

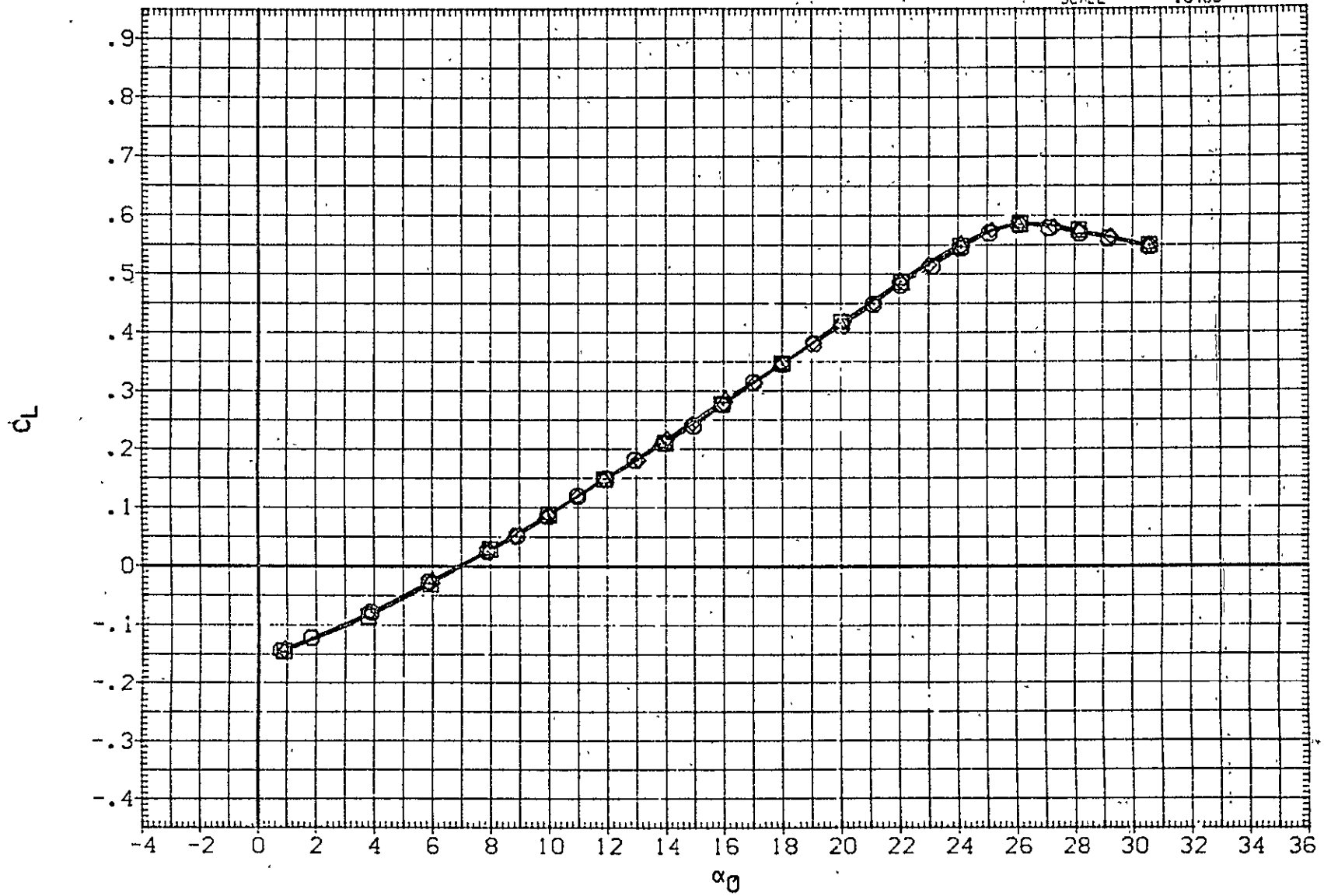

FIG 231 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20. IORB=6. TC ON.ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF085)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

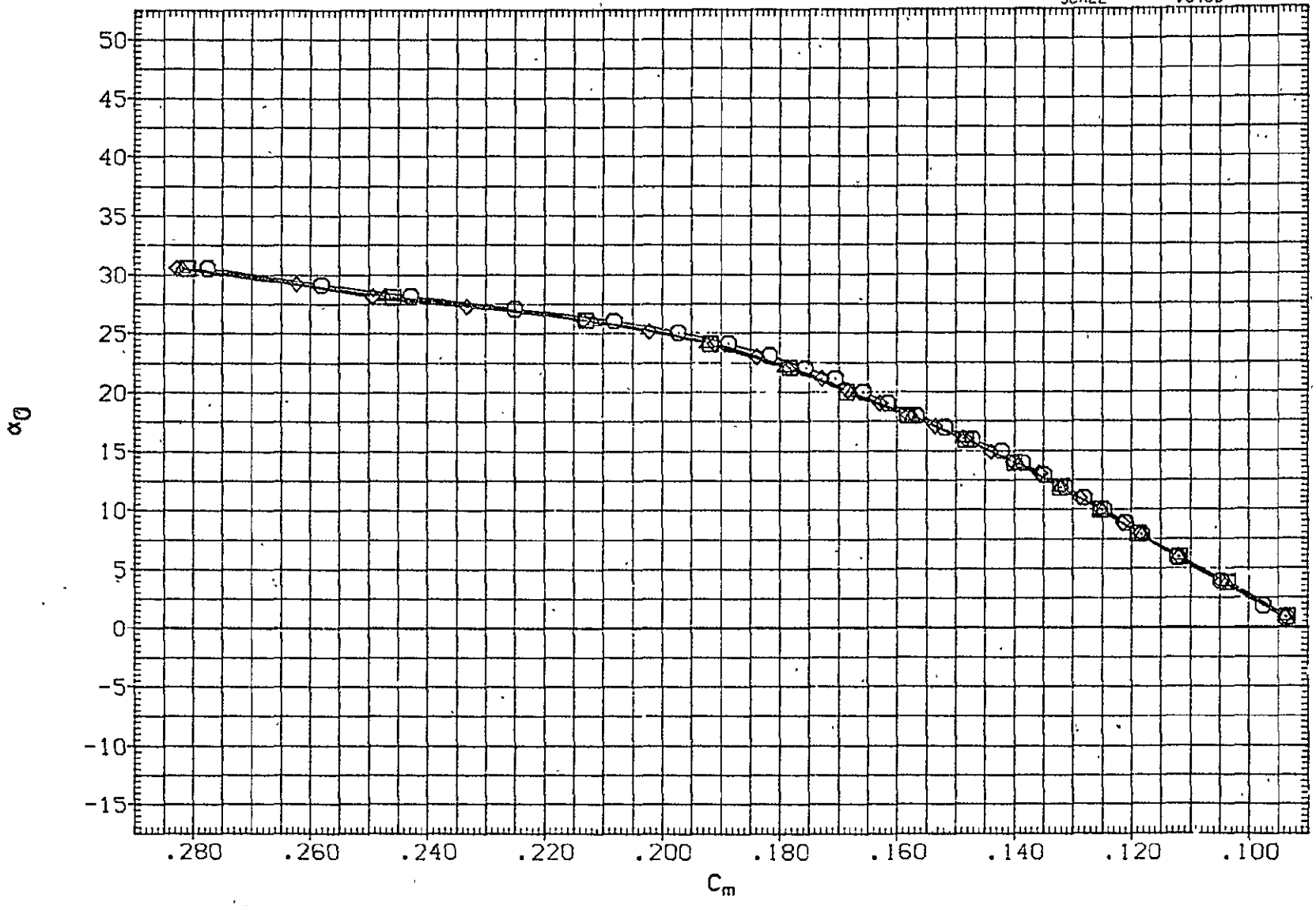

FIG 231 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF085)	○	(CA-8) K3V9.1.2TS5 F20TS40I			-11.700	.000
(TJF082)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	-4.000	-11.700	.000
(TJF083)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	-2.000	-11.700	.000
(TJF084)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS40I	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XØ
YMRP	.0000	IN. YØ
ZMRP	375.0000	IN. ZØ
SCALE	.0405	

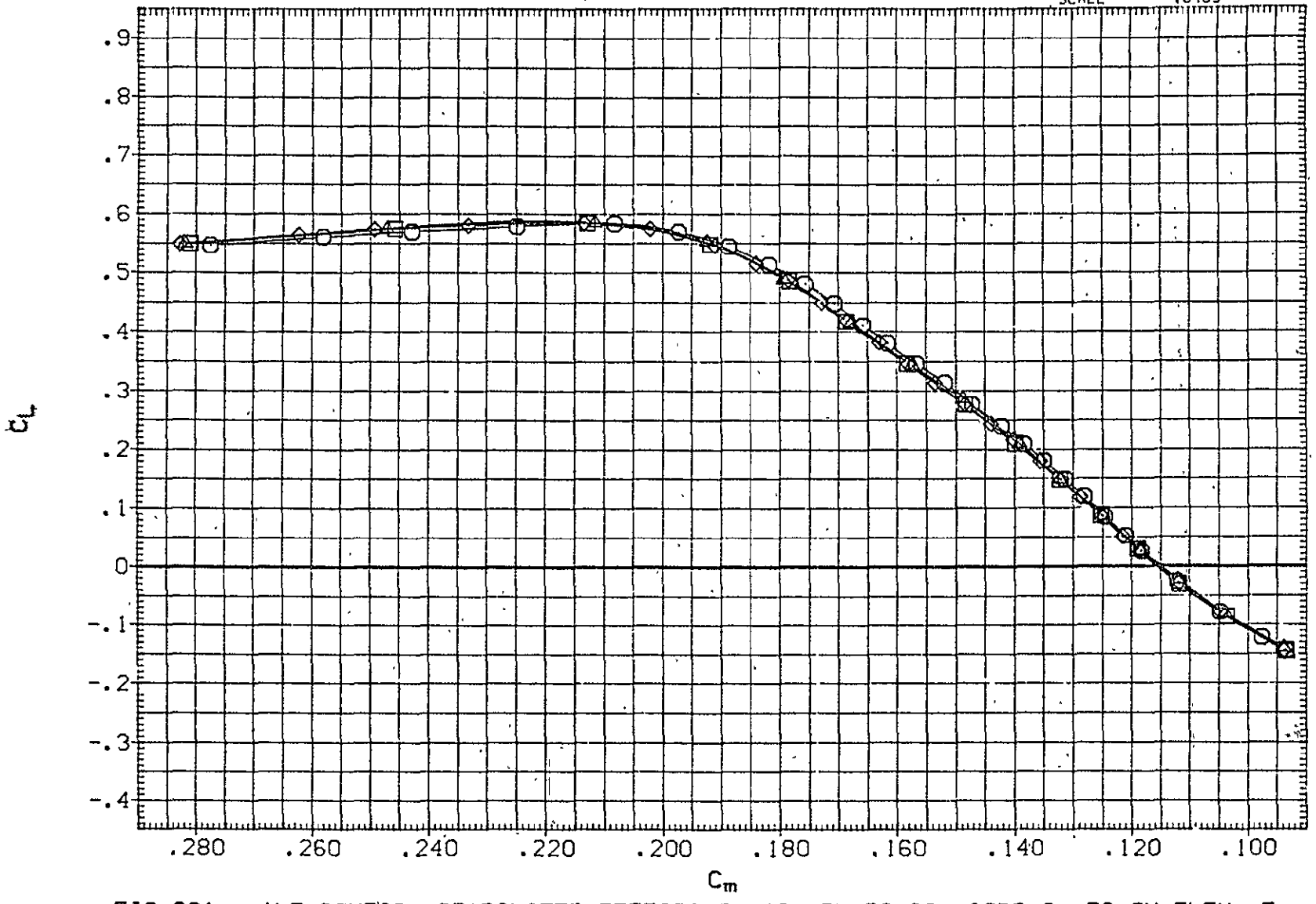

FIG 231 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20, IØRB=6. TC ØN.ELEV=-5
ØRBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF085)	○	(CA-B) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF082)	□	(CA-B) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000
(TJF083)	◇	(CA-B) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF084)	△	(CA-B) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

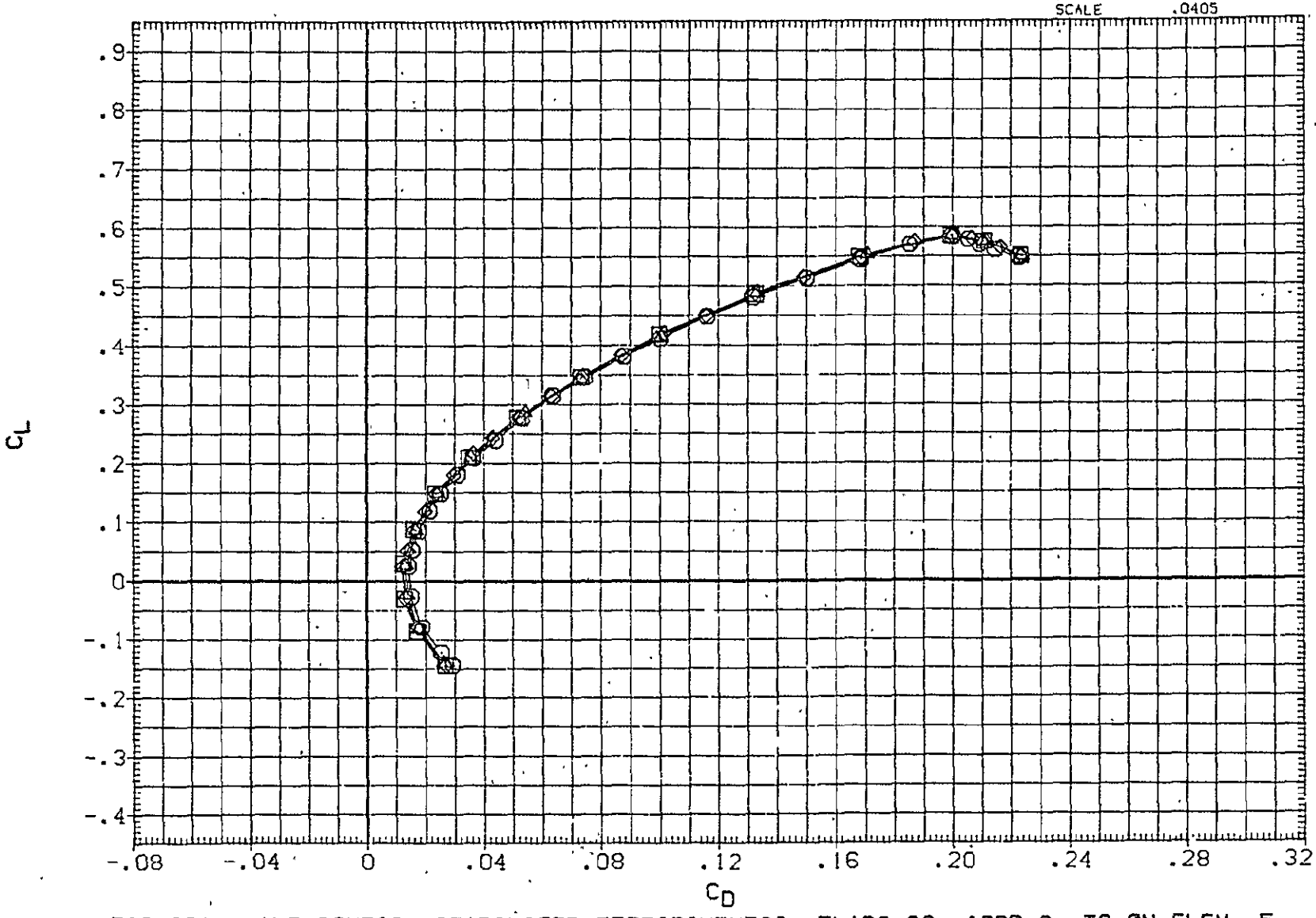

FIG 231 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20. IORB=6. TC ON.ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000
(TJF047)	□	(CA-8) K3V9.1.2TS5HI5.6.1F30G5.3.5TS401	.000	3.00C	-11.700	.000
(TJF046)	◇	(CA-8) K3V9.1.2TS5HI5.6.1F30G5.3.5TS401	.000	.00C	-11.700	.000
(TJF048)	△	(CA-8) K3V9.1.2TS5HI5.6.1F30G5.3.5TS401	.000	-2.00C	-11.700	.000
(TJF045)	▽	(CA-8) K3V9.1.2TS5HI5.6.1F30G5.3.5TS401	.000	-4.00C	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

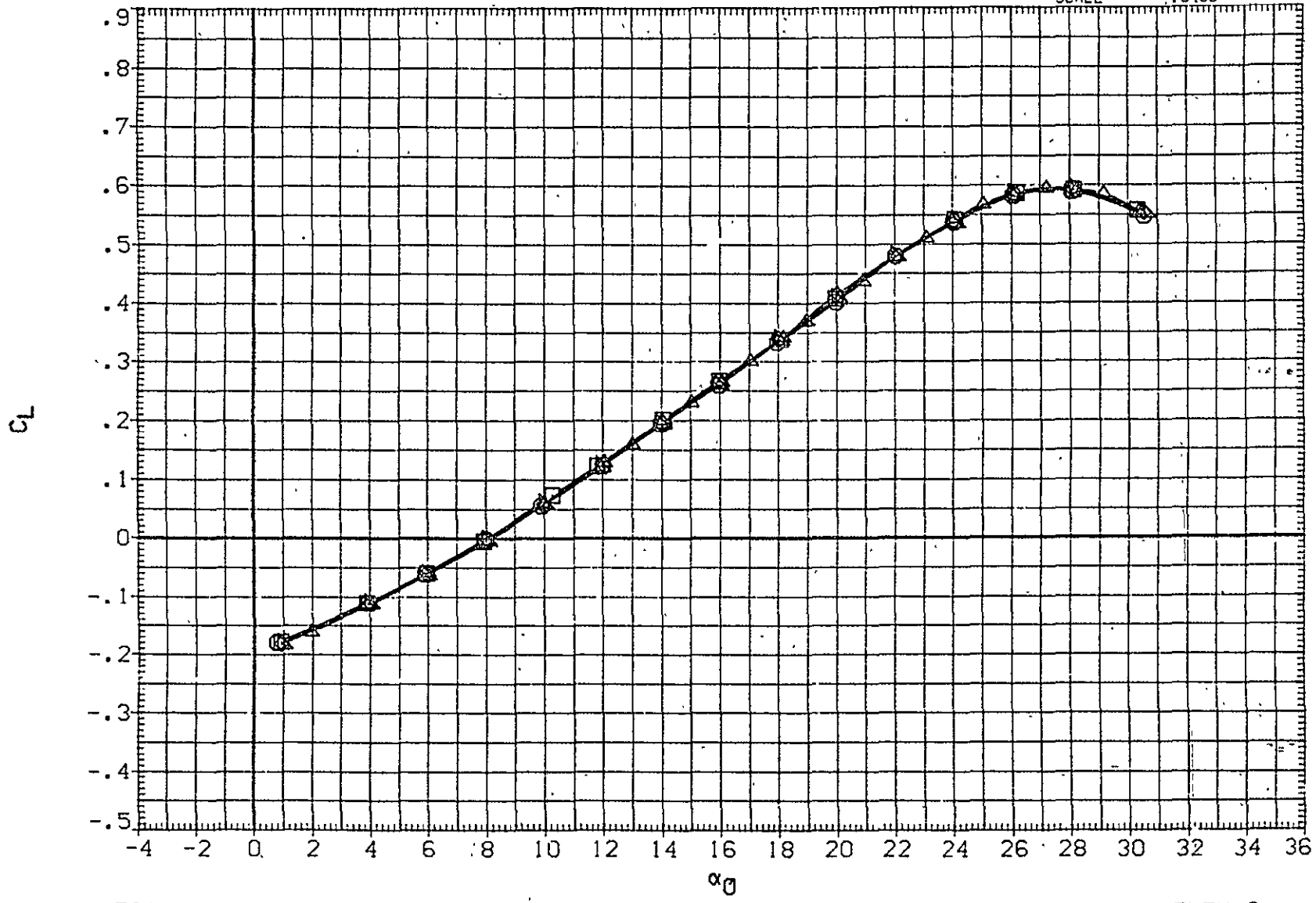

FIG 232 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000
(TJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000
(TJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF045)	◁	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

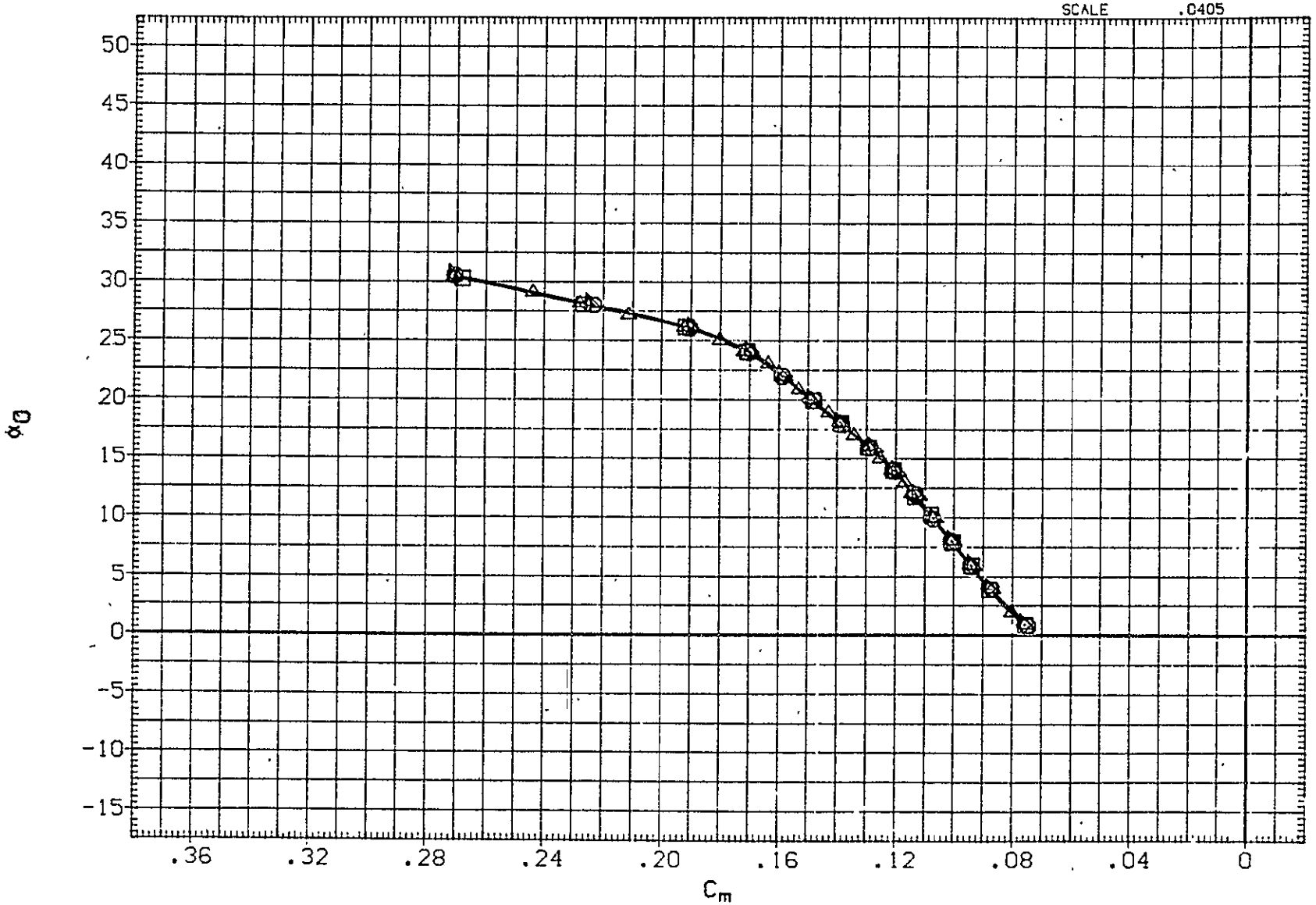

FIG 232 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30. IORB=6. TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000
(TJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000
(TJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF045)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

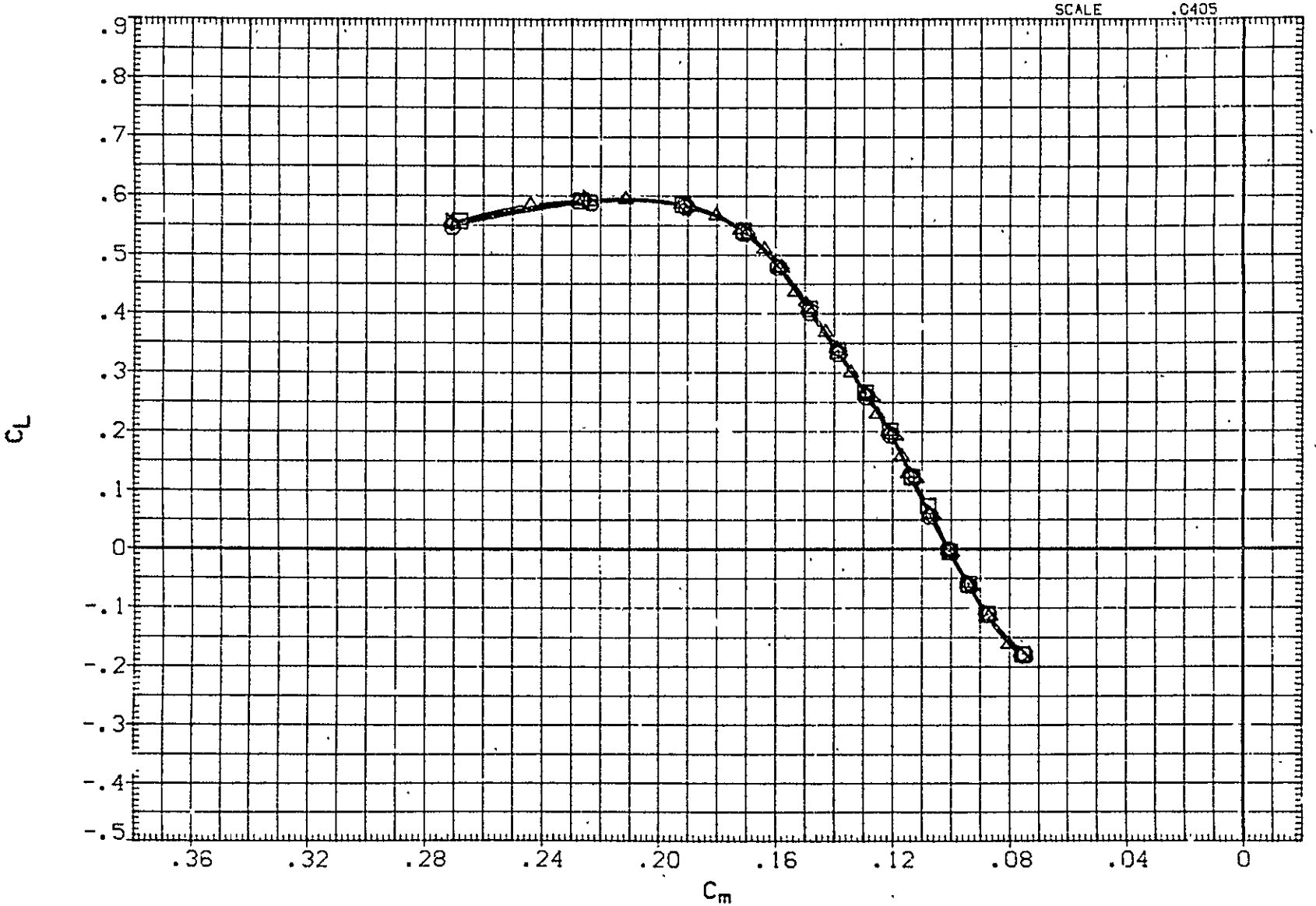

FIG 232 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30. IORB=6. TC ON. ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF044)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401			-11.700	.000
(TJF047)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	3.000	-11.700	.000
(TJF046)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF048)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF045)	◁	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

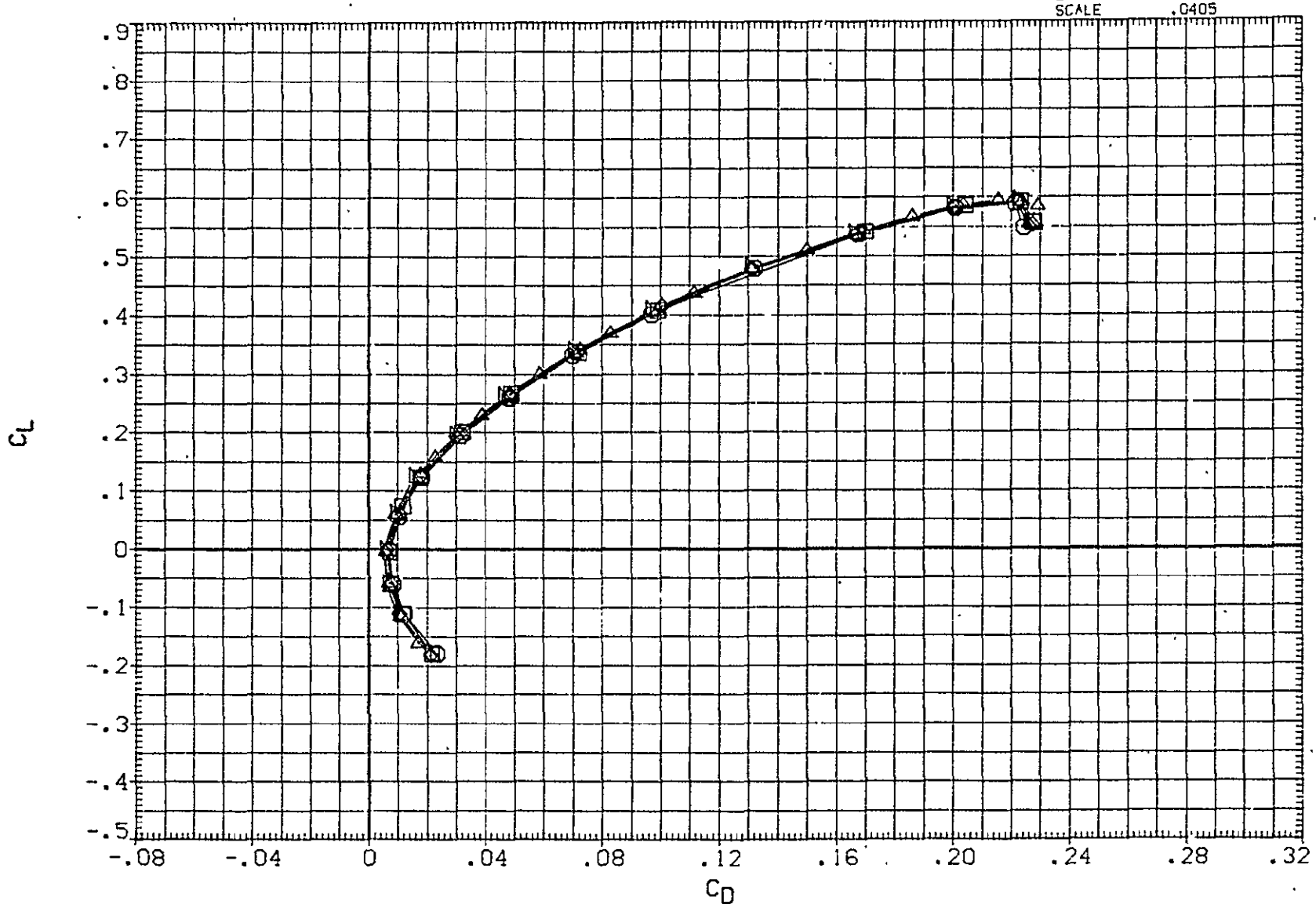

FIG 232 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON.ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF054)	⋈	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

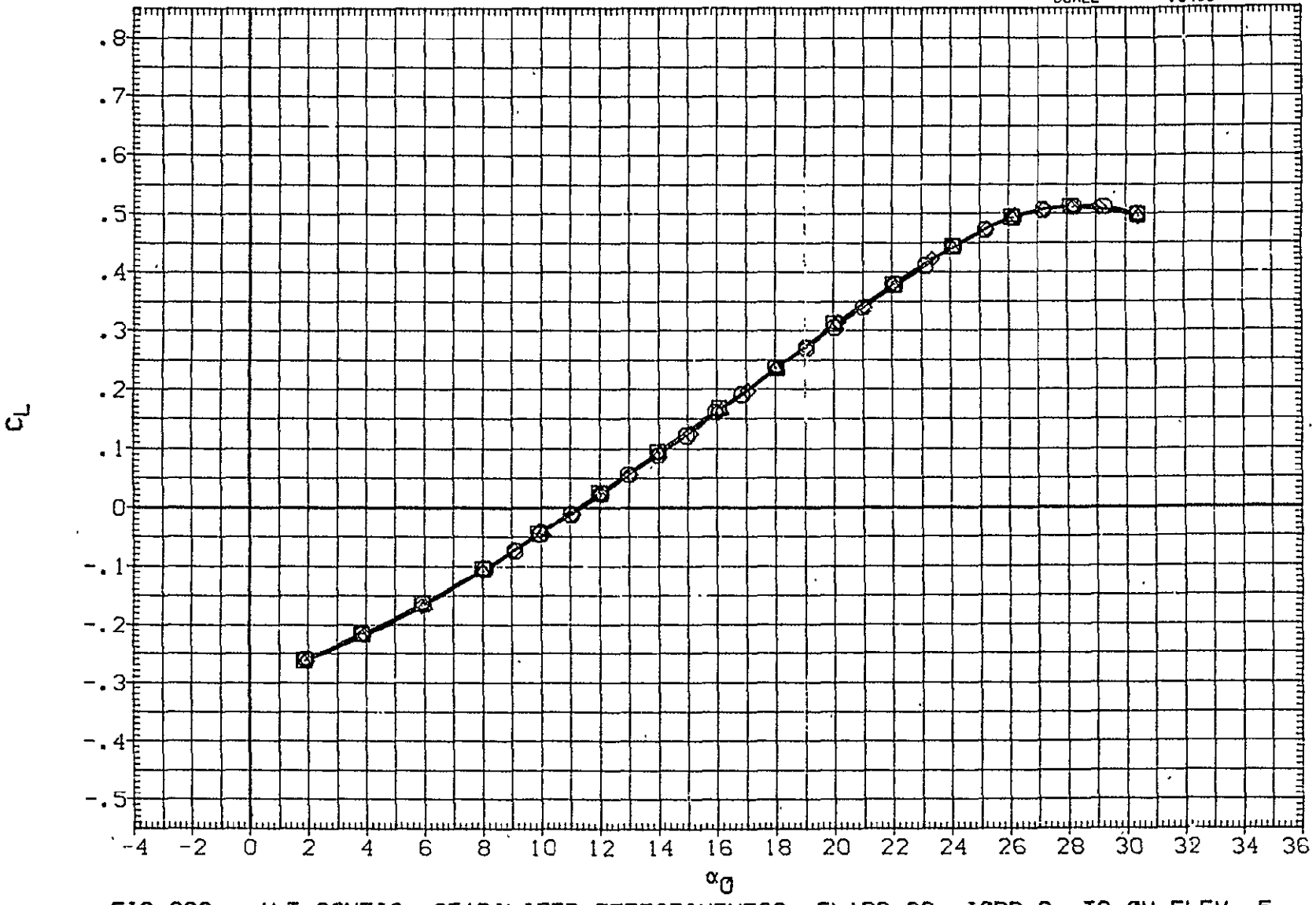

FIG 233 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, I0RB=6, TC ON,ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

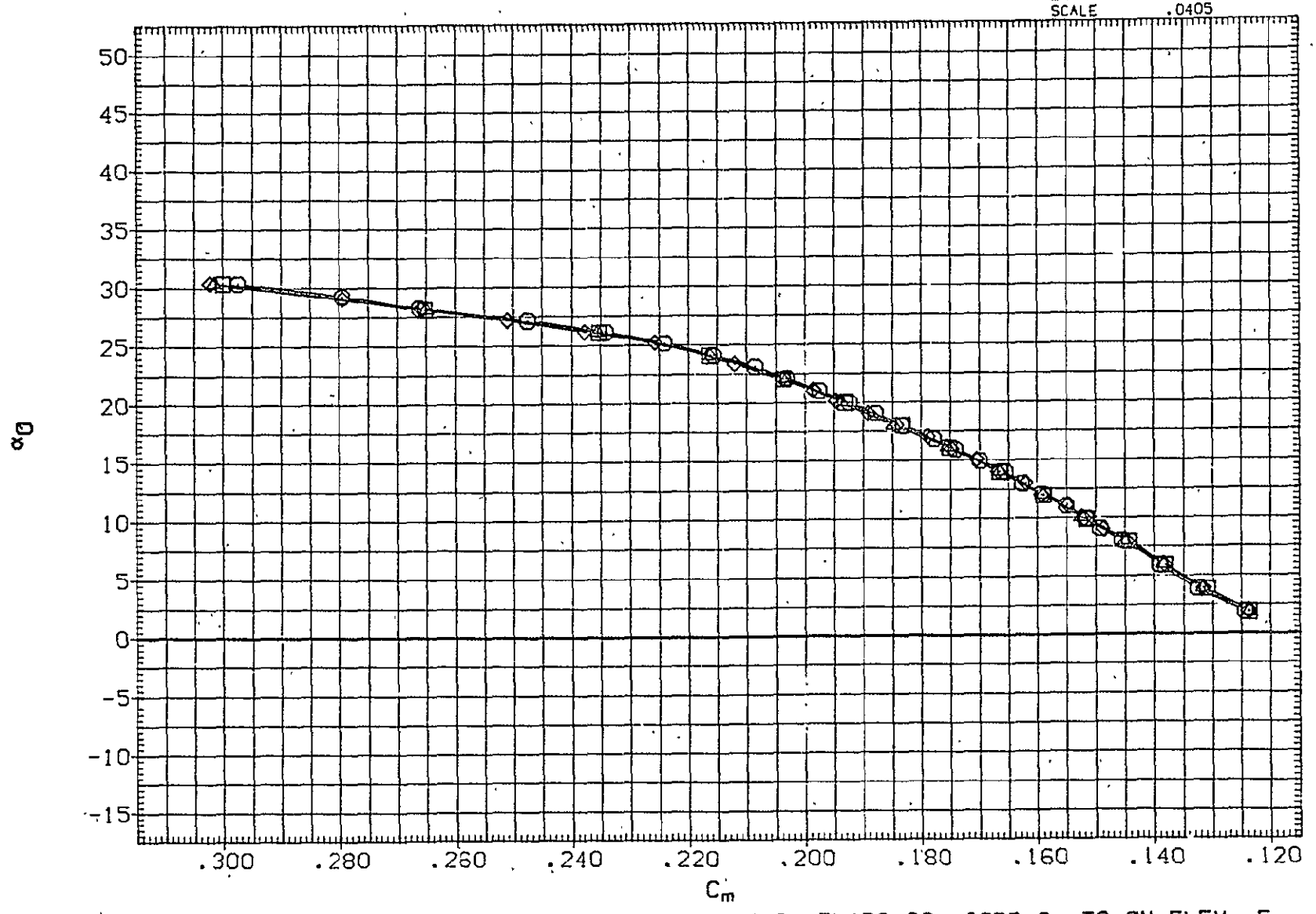

FIG 233 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30. IORB=6. TC ON.ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

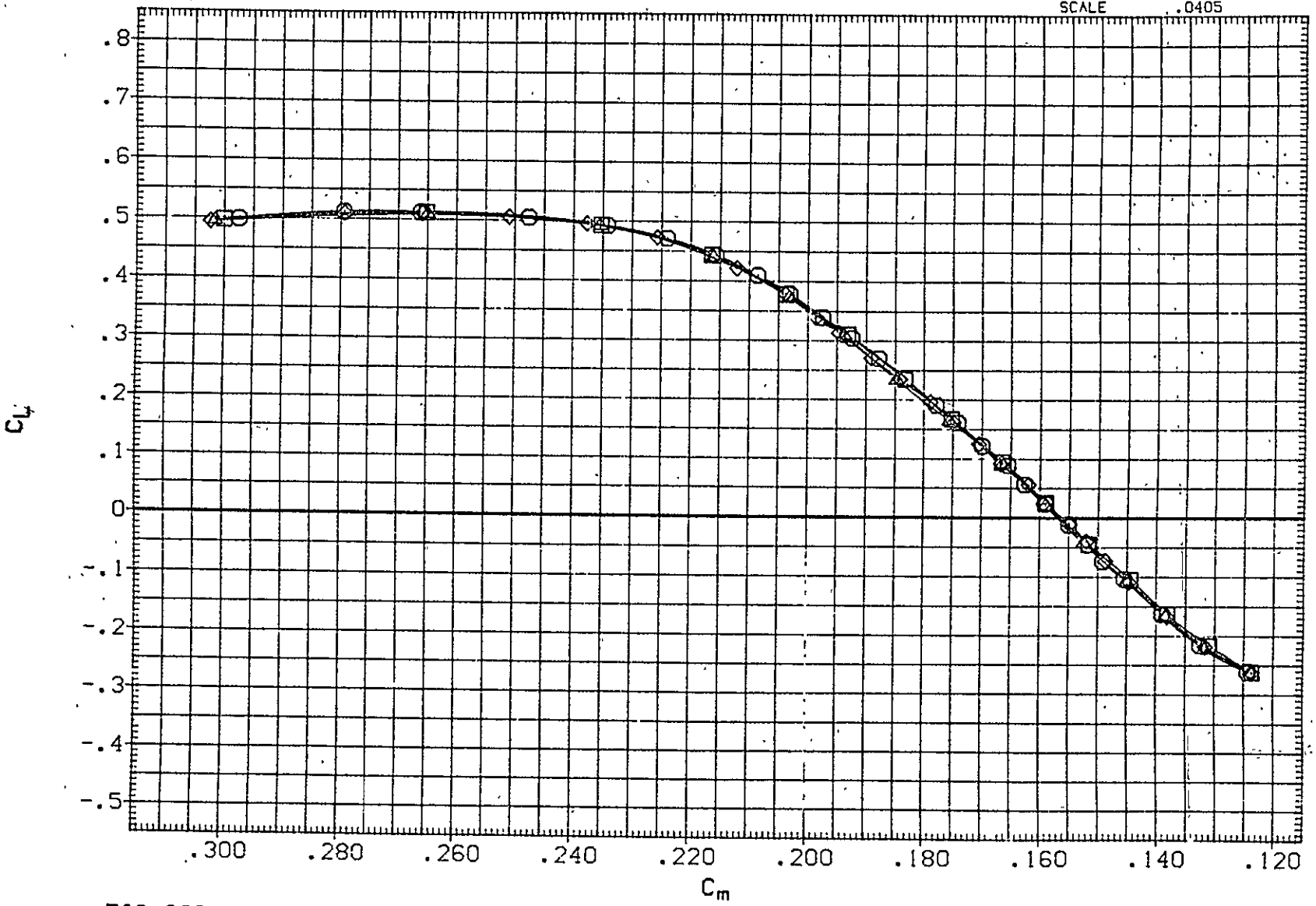

FIG 233 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

C-3

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF056)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF055)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF053)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMPP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

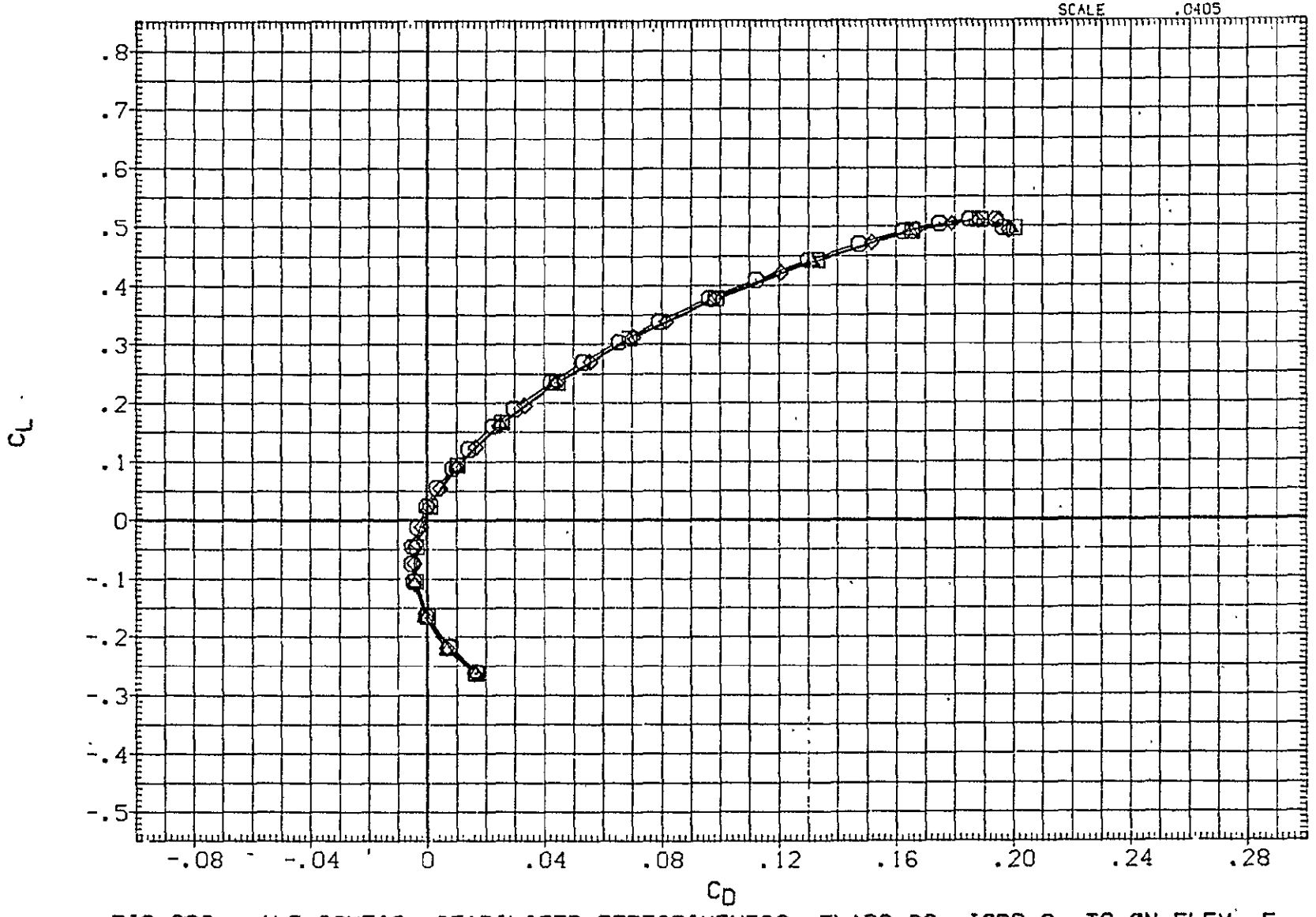

FIG 233 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30. IORB=6. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000
(TJF052)	◁	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

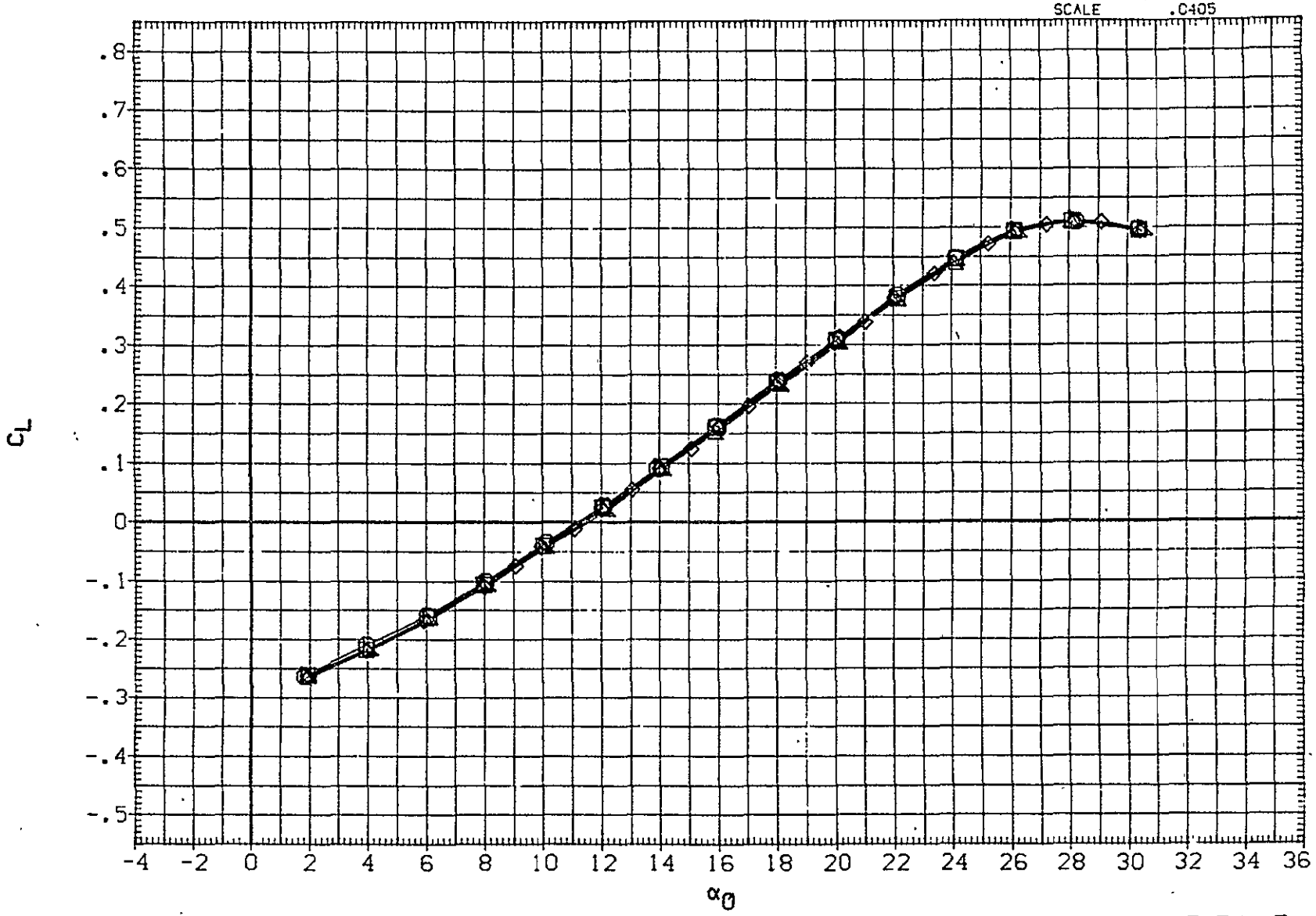

FIG 234 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF049)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJF050)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000
(TJF054)	◁	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF051)	▷	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000
(TJF052)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

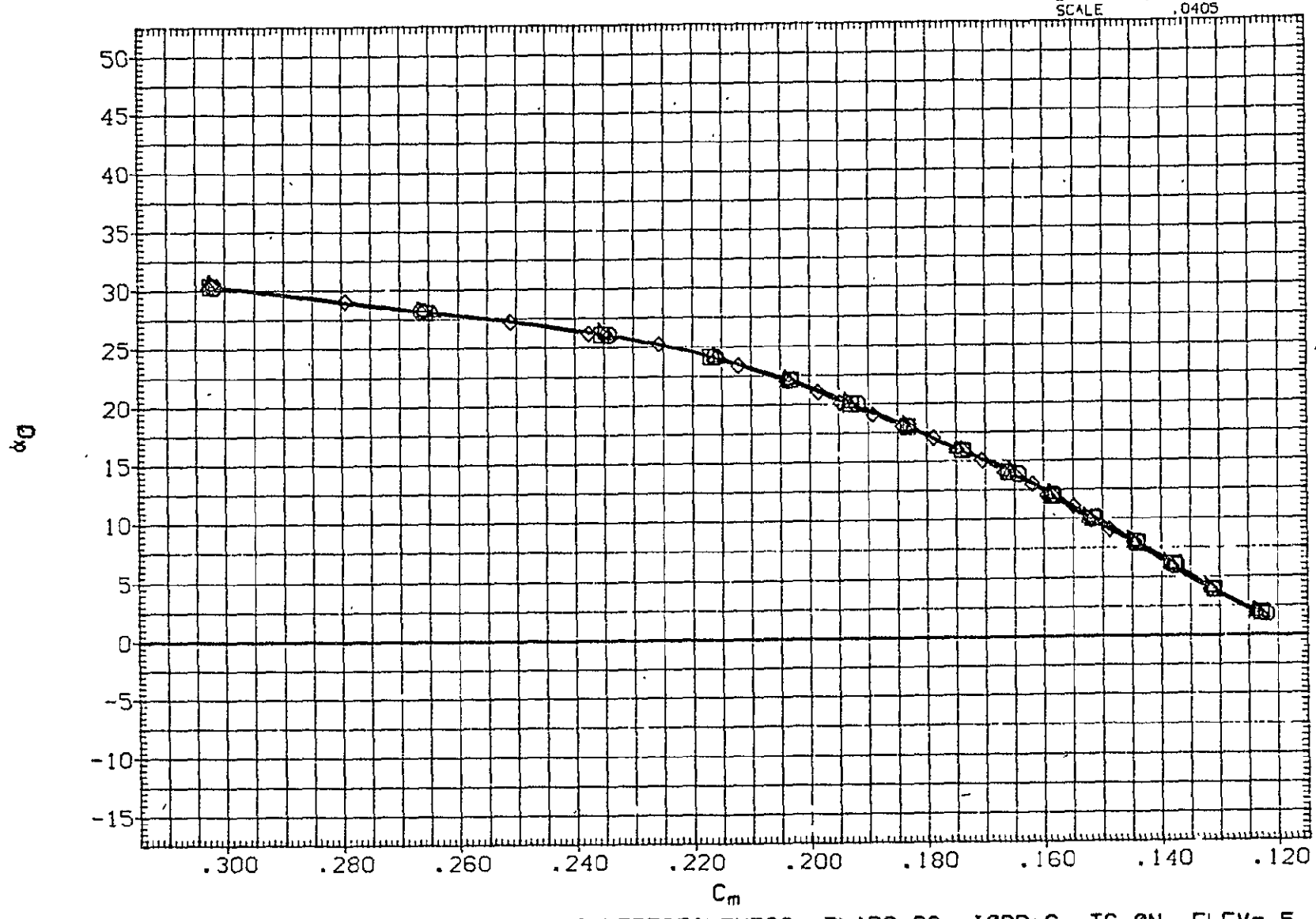

FIG 234 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30. IORB=6. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF049)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF050)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF051)	⋈	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF052)	◺	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BDFLAP	BETA
17.000	-2.000	-11.700	.000
10.000	-2.000	-11.700	.000
.000	-2.000	-11.700	.000
-10.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0600	IN. ZO
SCALE	.0405	

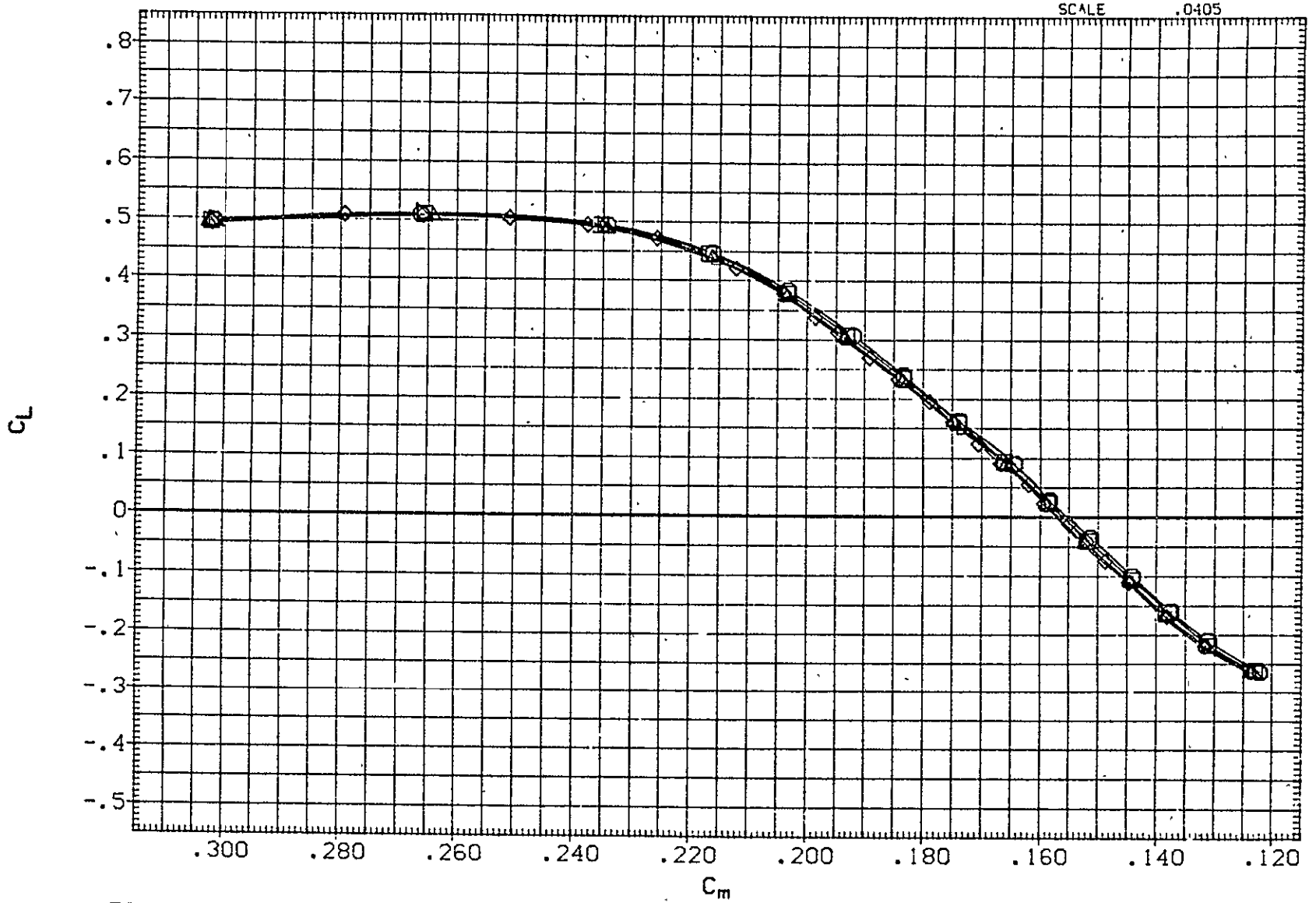

FIG 234 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF049)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJF050)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	10.000	-2.000	-11.700	.000
(TJF054)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF051)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-10.000	-2.000	-11.700	.000
(TJF052)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

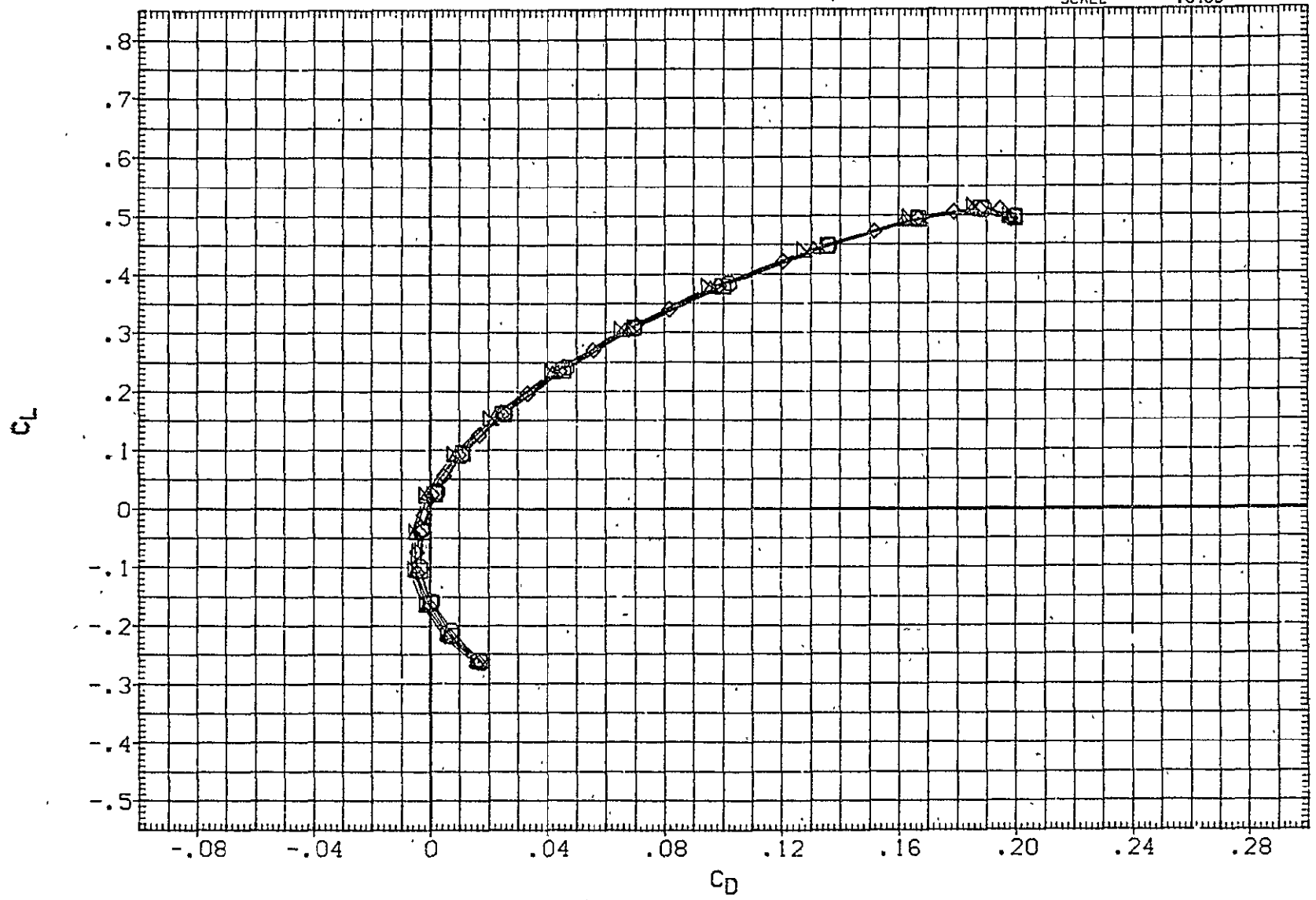

FIG.234 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402			.000	.000
(TJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000
(TJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

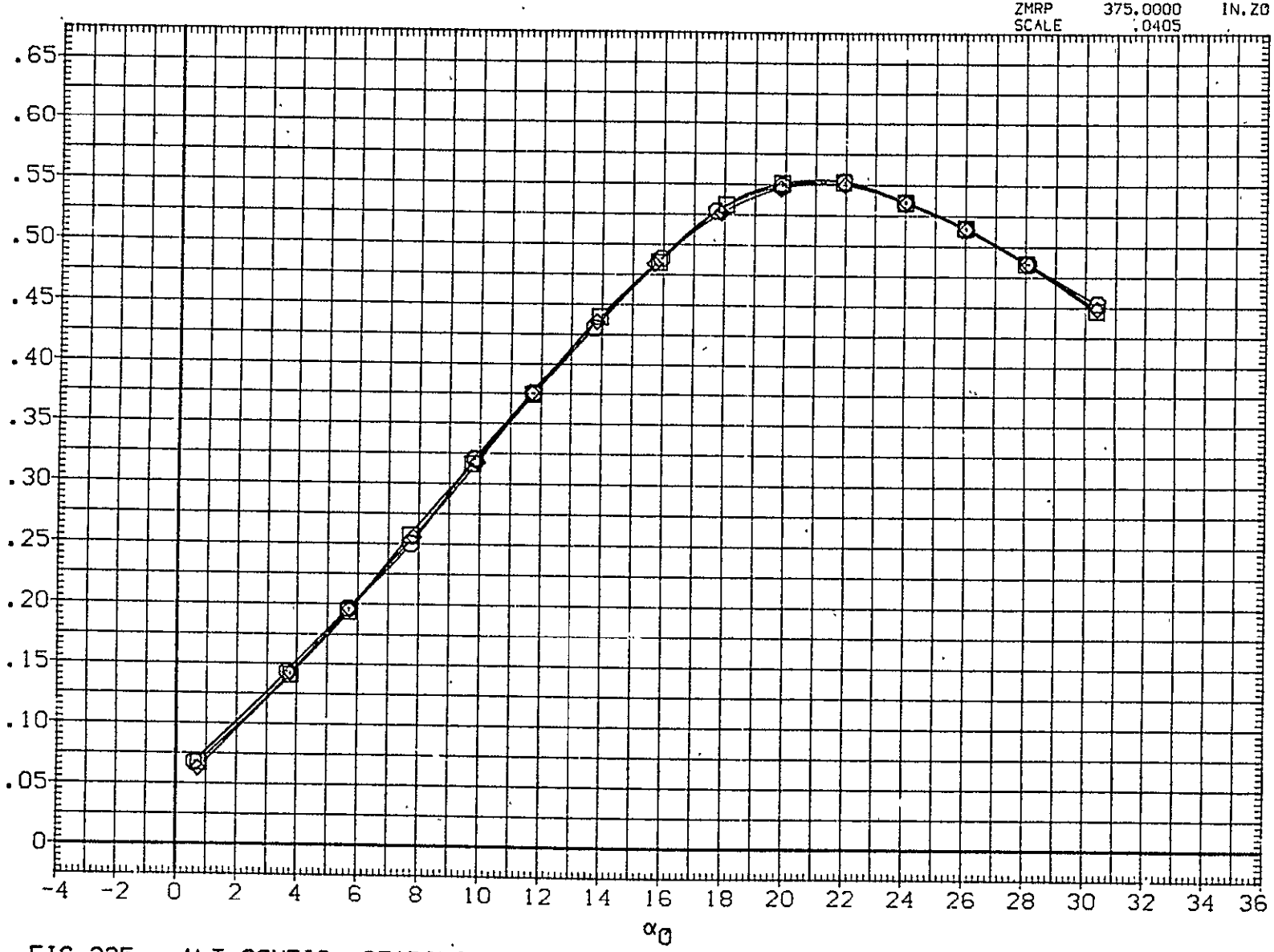

FIG 235 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6, TC OFF, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAP	BDFLAP	BETA
(TJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402			.000	.000
(TJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000
(TJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

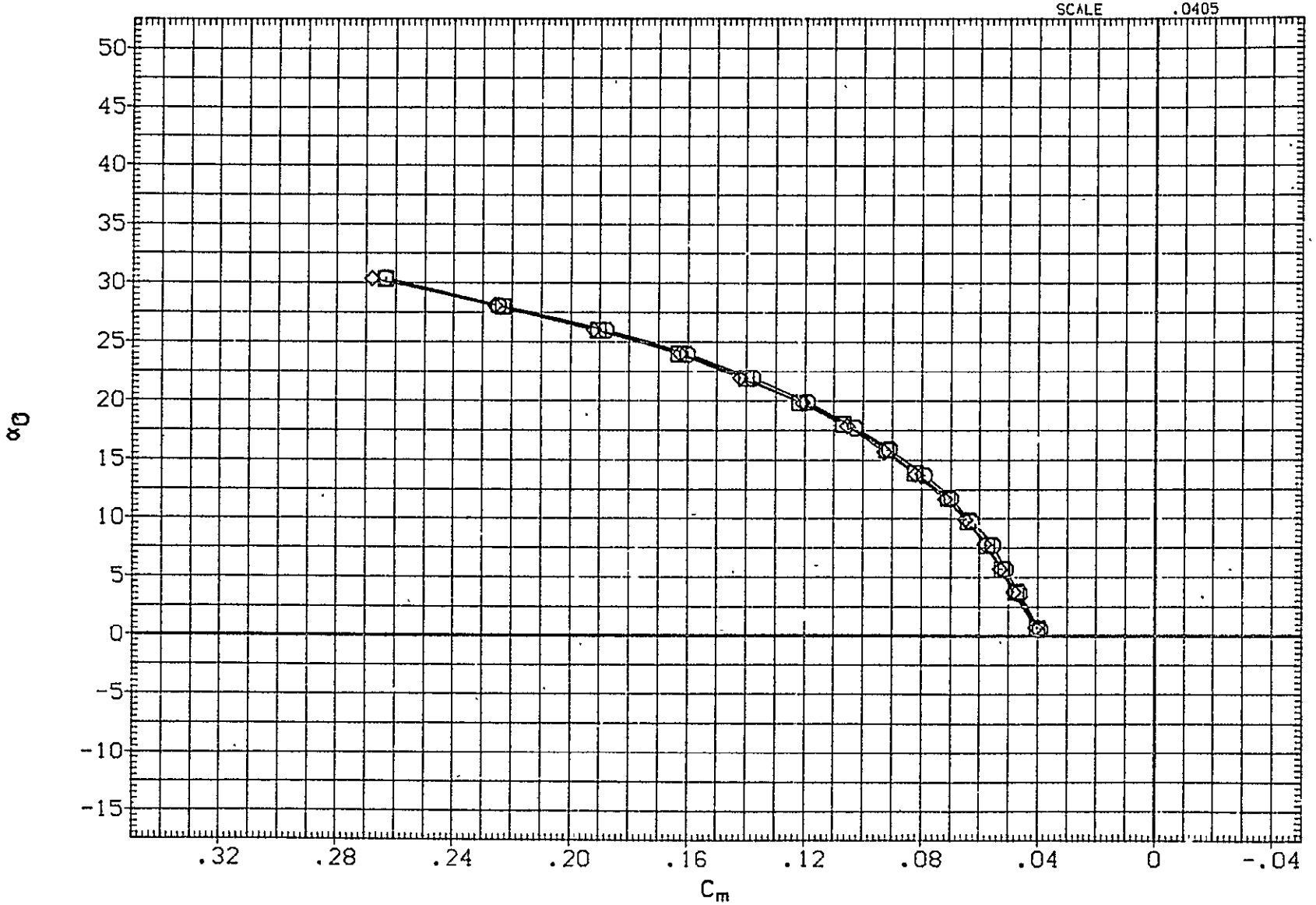

FIG 235 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6,TC OFF, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402			.000	.000
(TJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000
(TJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

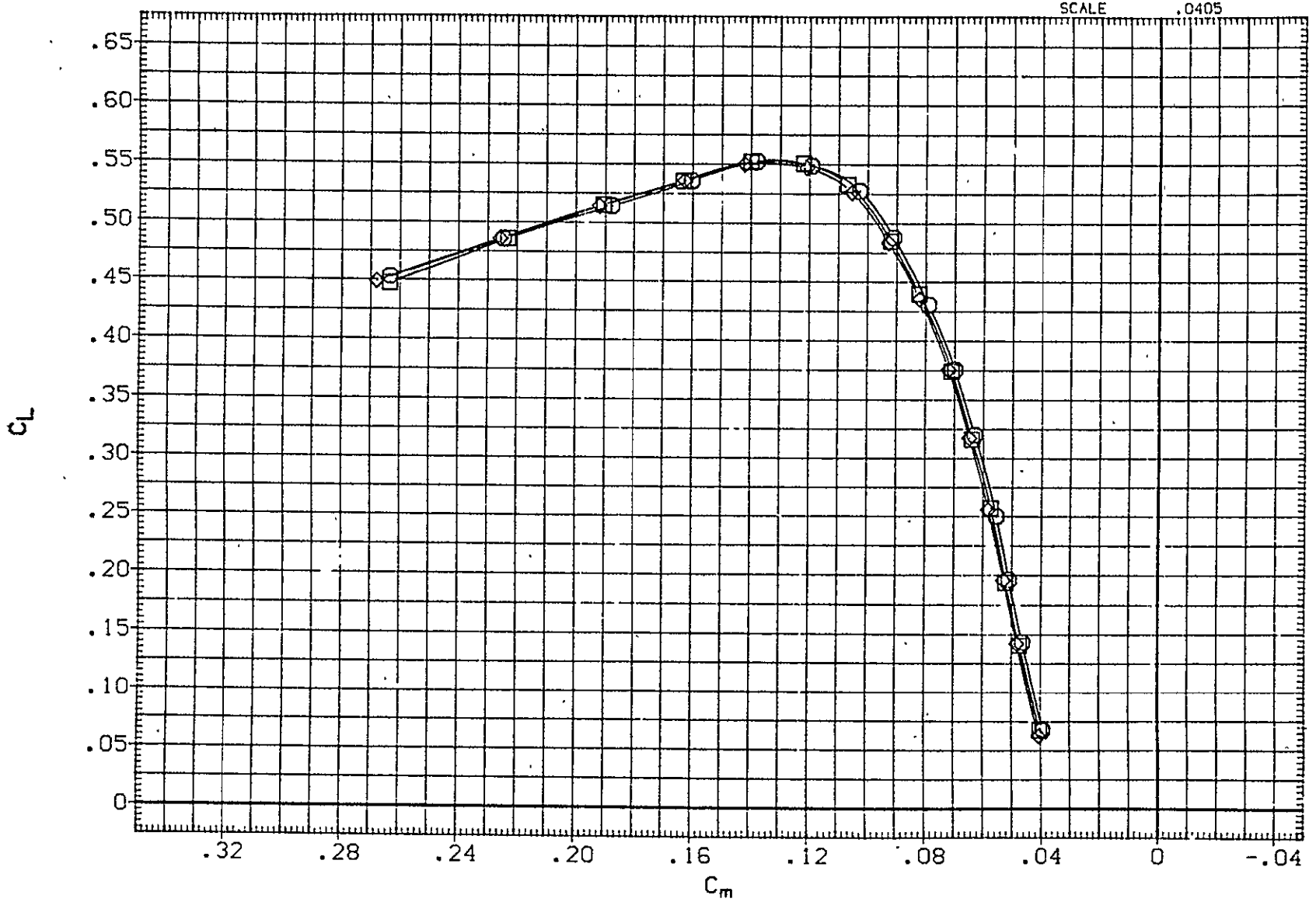

FIG 235 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS UP. IORB=6,TC OFF. ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	I.LEVTR	STAB	BDFLAP	BFTA
(TJF130)	○	(CA-8) K3V9.1.2TS6 FOTS402			.000	.000
(TJF132)	□	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	.000	.000	.000
(TJF131)	◇	(CA-8) K3V9.1.2TS6H15.6.1FOTS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

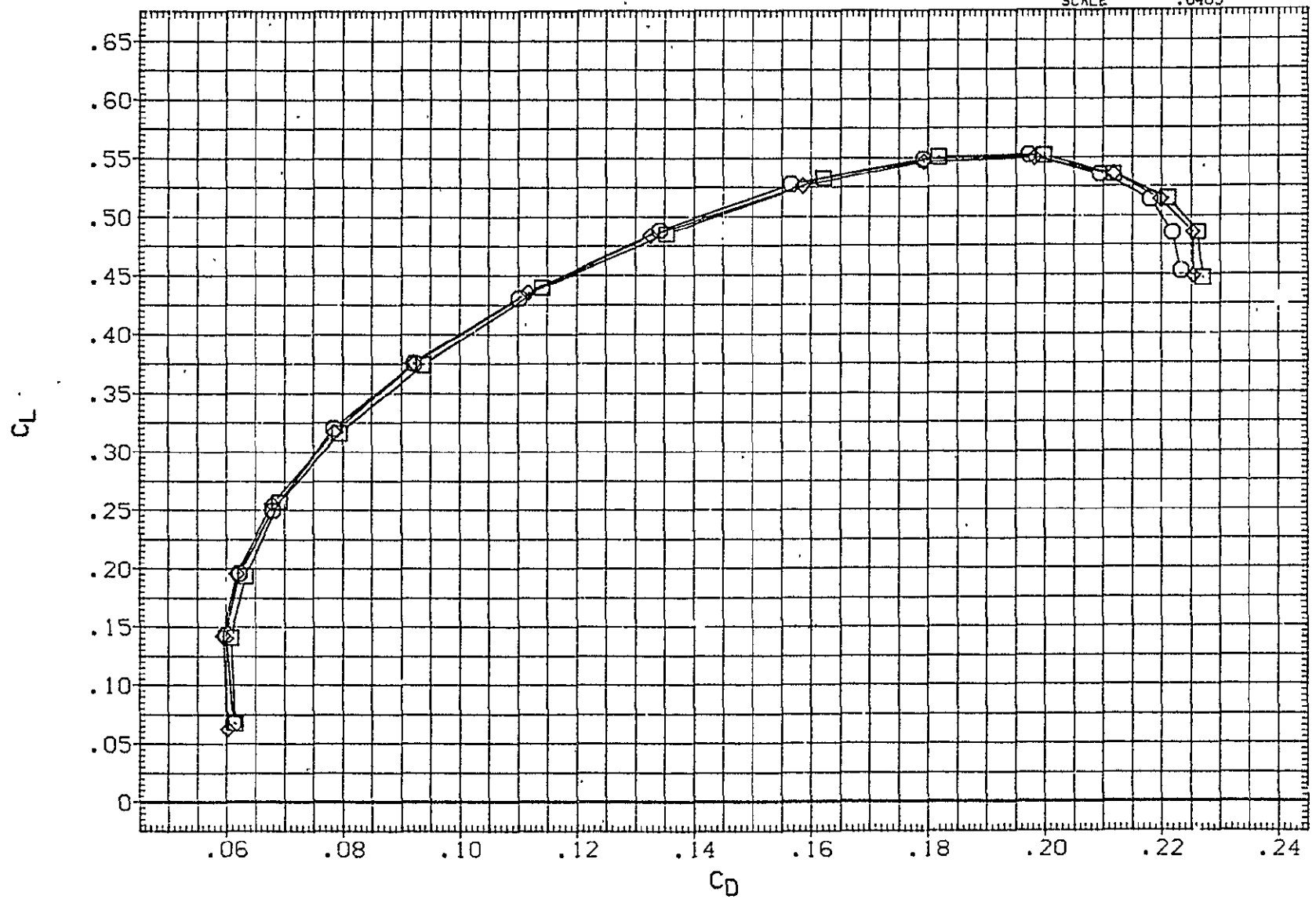

FIG 235 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS UP, IORB=6,TC OFF, ELEV=0
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	.000
(TJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

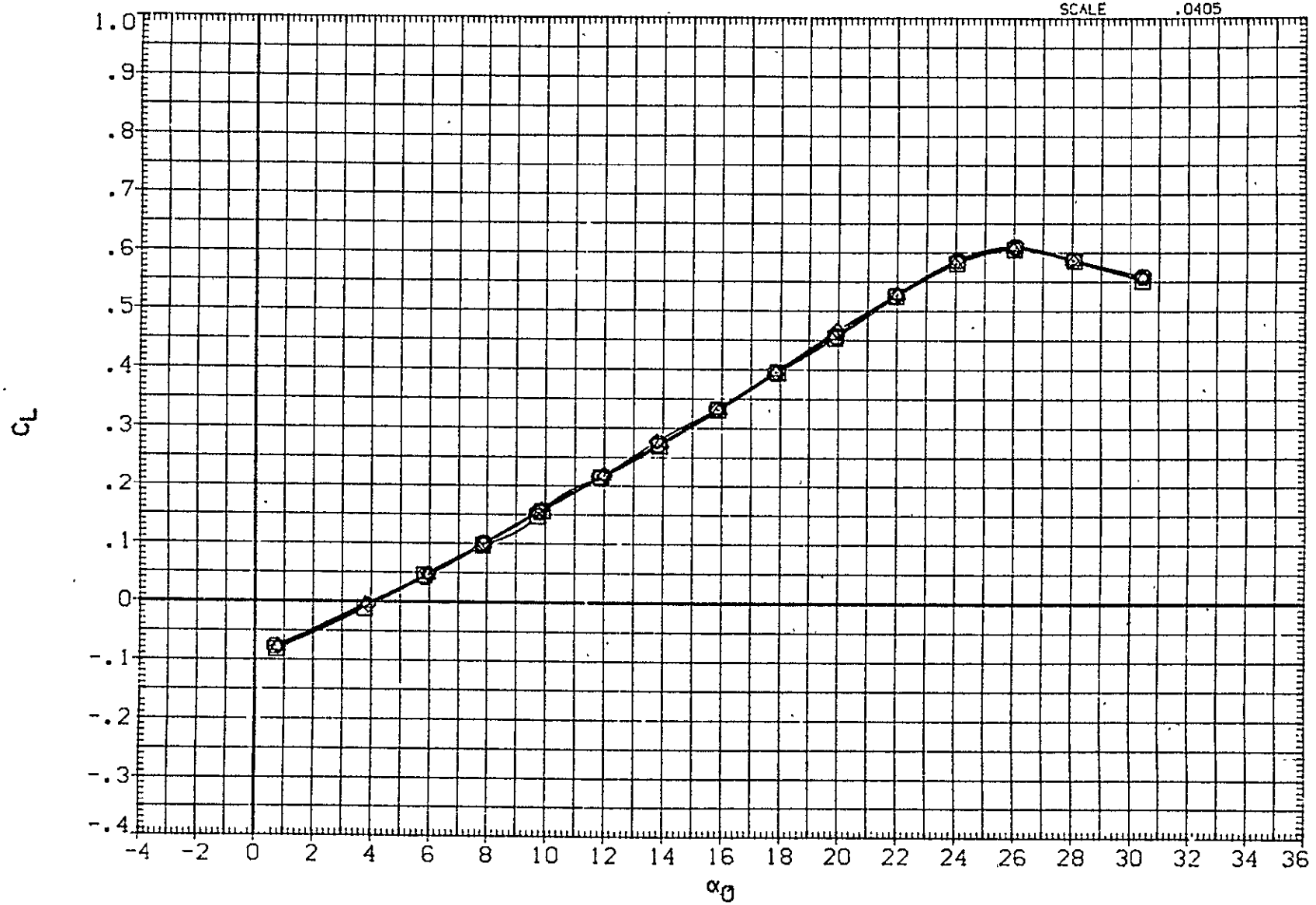

FIG 236 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10. I0RB=6.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	.000
(TJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

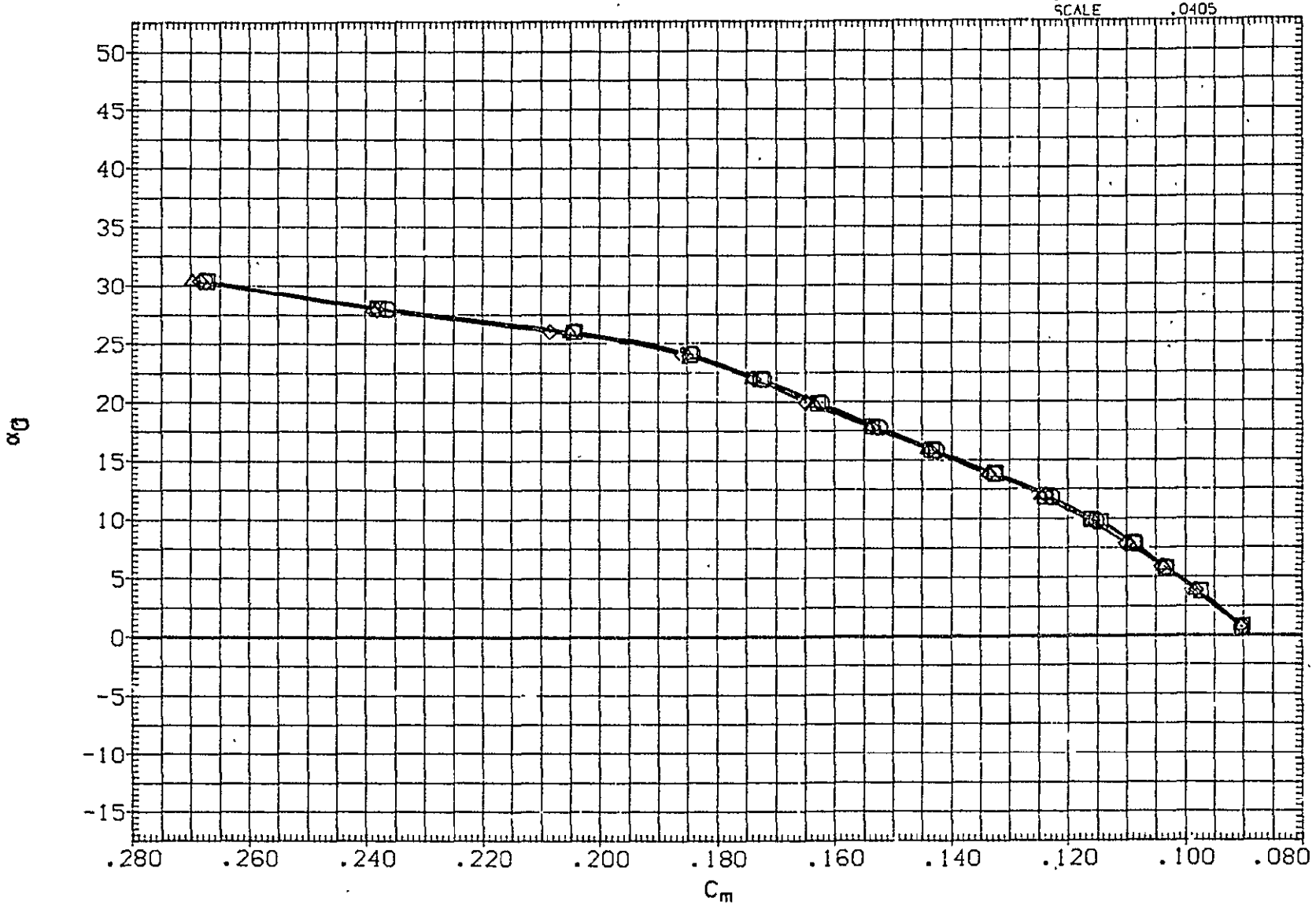

FIG 236 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF105)	○	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	.000
(TJF108)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF107)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF106)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

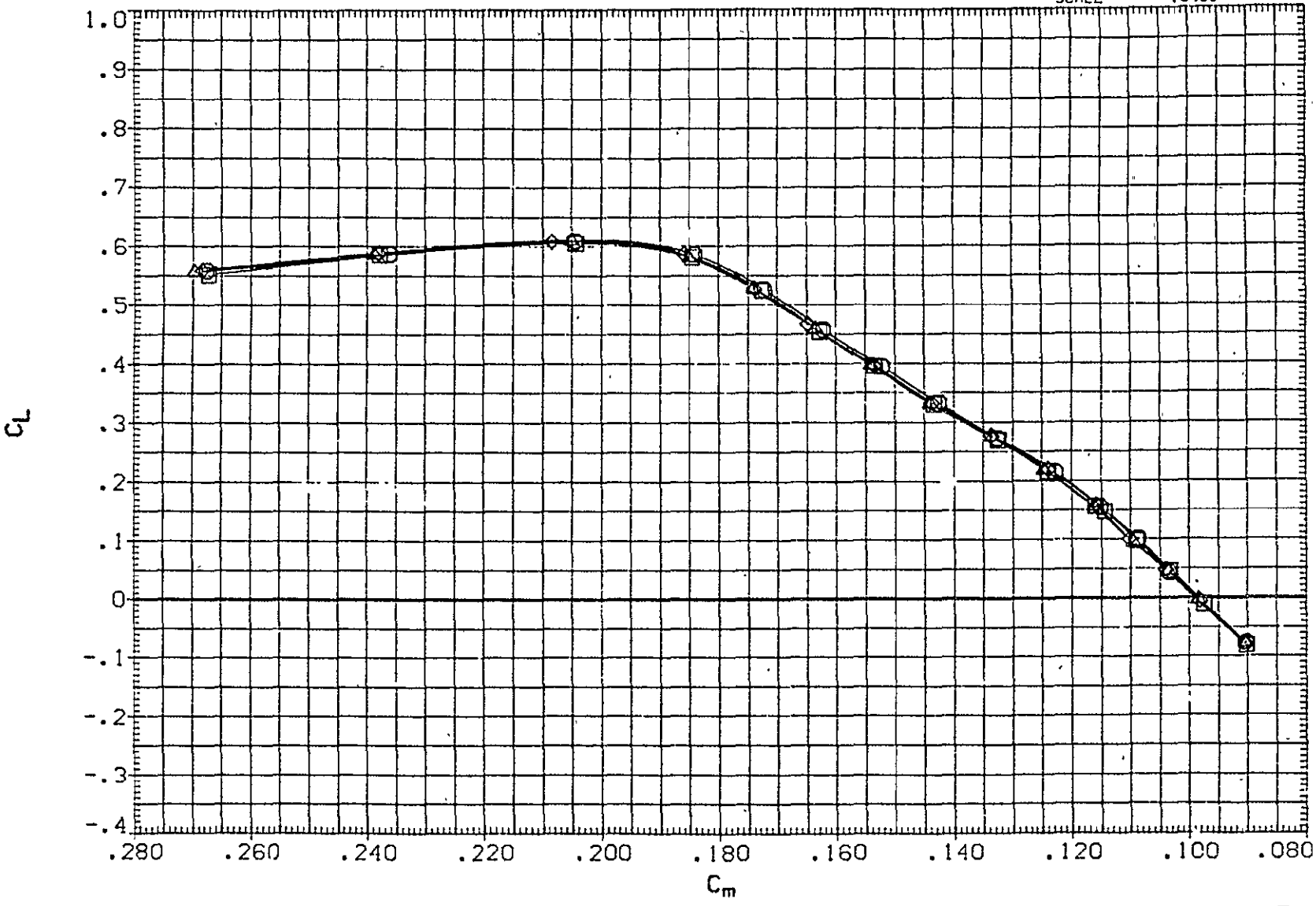

FIG 236 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10. IORB=6.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF105)	□	(CA-8) K2V9.1.2TS5F30G5.3.5TS401			.000	.000
(TJF108)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF107)	⋈	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF106)	⋈	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

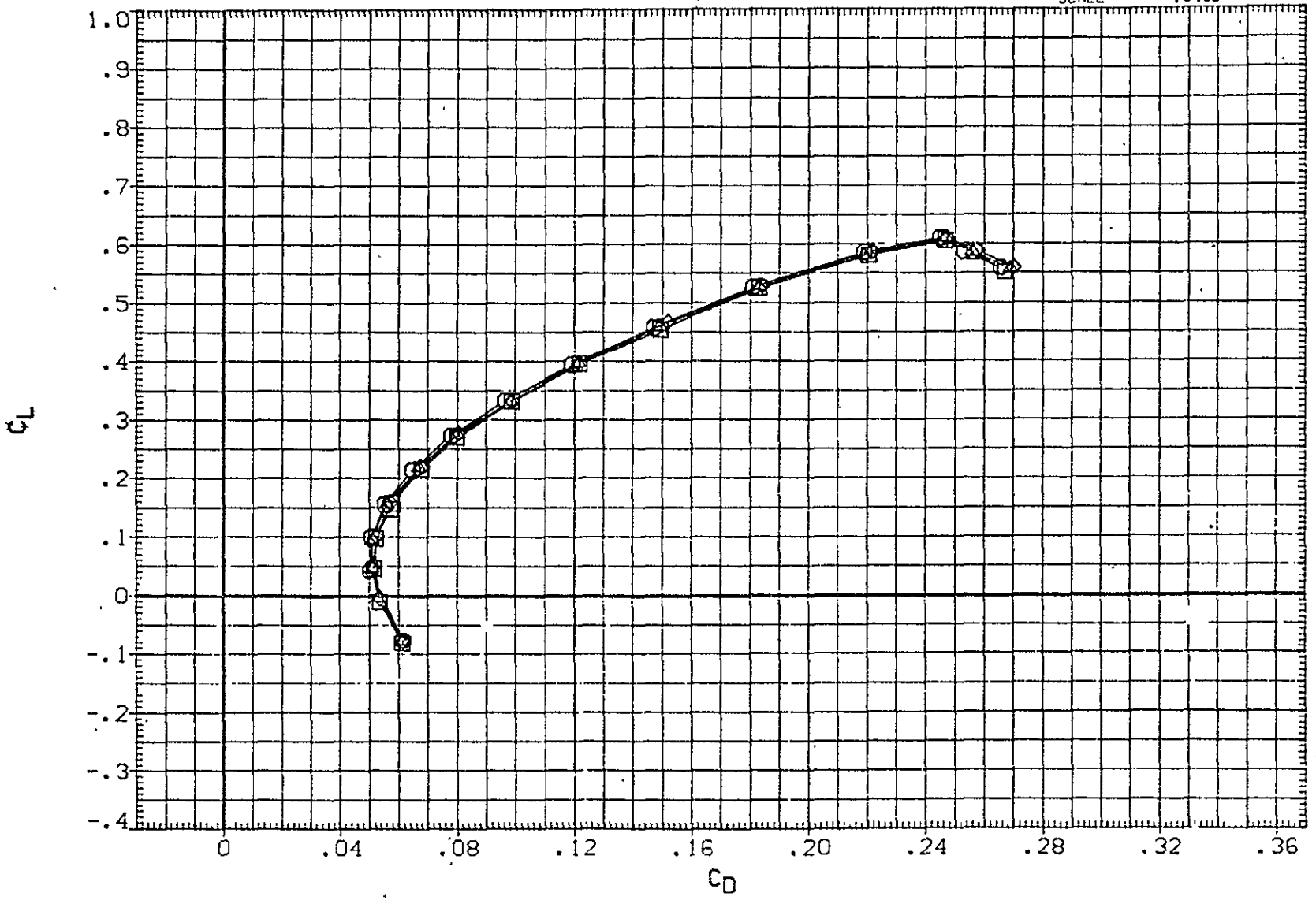

FIG 236 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	17.000	-2.000	.000	.000
(TJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000
(TJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	-23.000	-2.000	.000	.000

REFERENCE INFORMATION

SREF	2990.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XB
YMRP	.0000	IN.YB
ZMRP	375.0000	IN.ZB
SCALE	.0405	

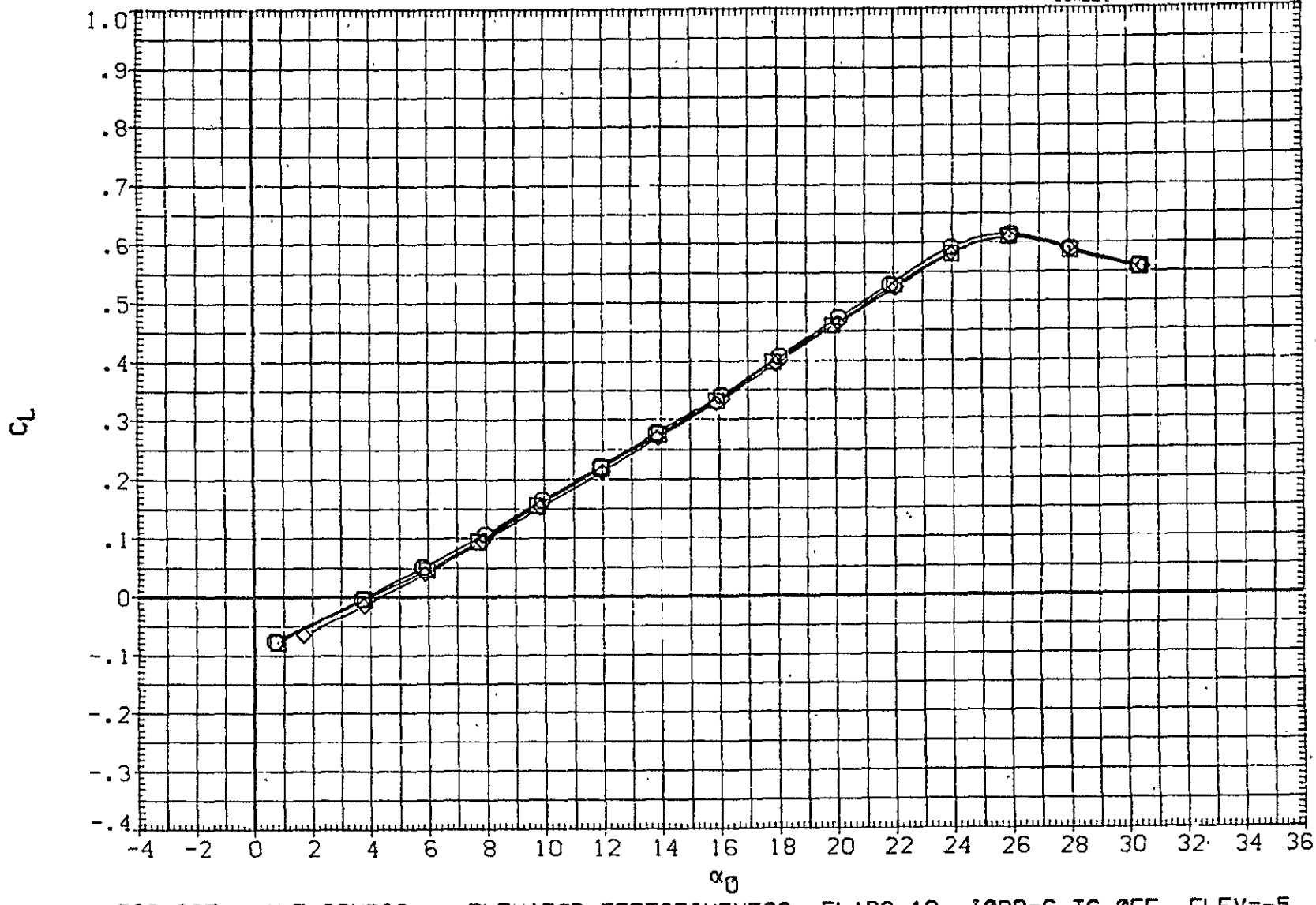

FIG 237 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6.TC OFF, ELEV=-5.
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	17.000	-2.000	.000	.000
(TJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000
(TJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

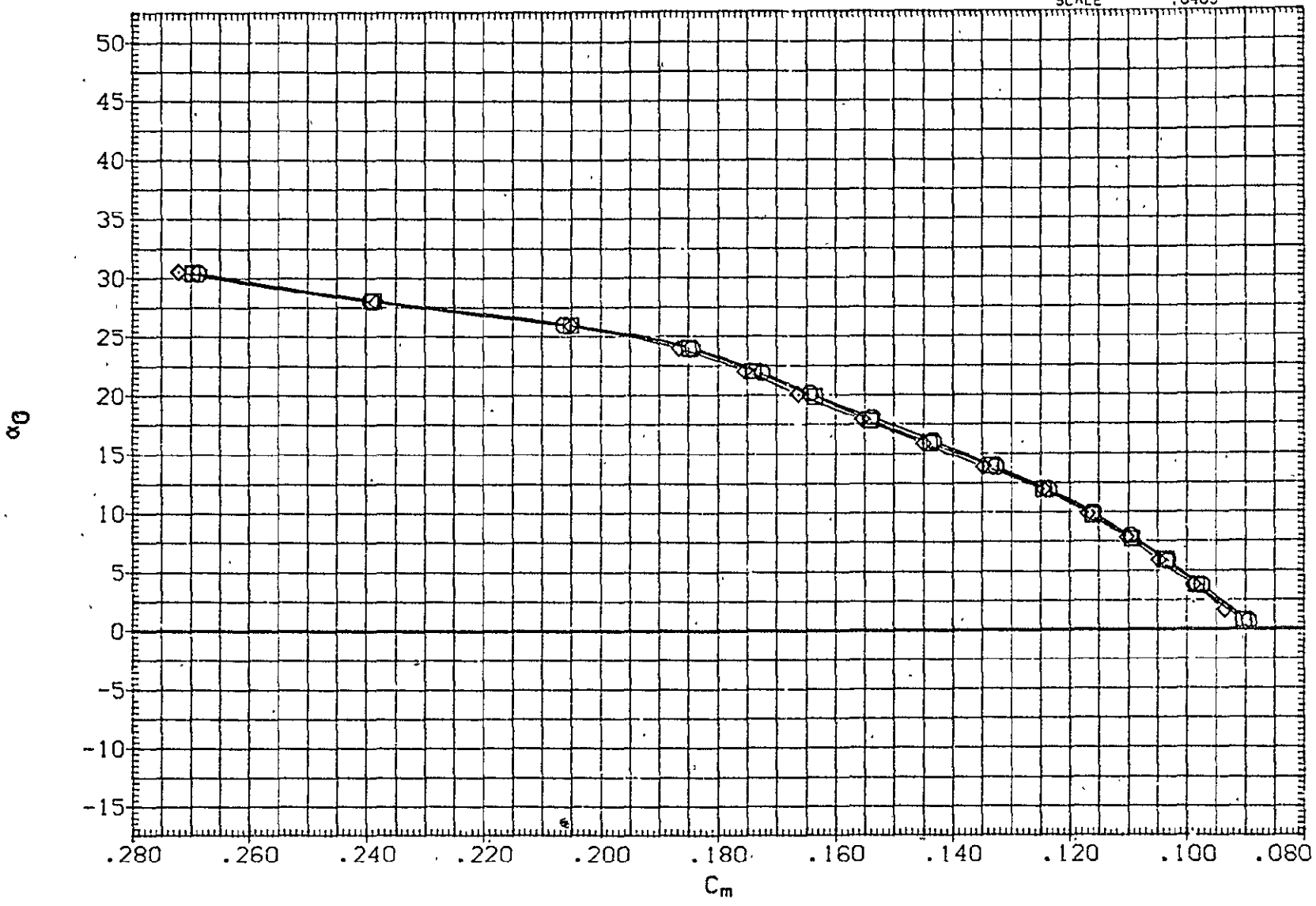

FIG 237 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6.TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	17.000	-2.000	.000	.000
(TJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000
(TJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

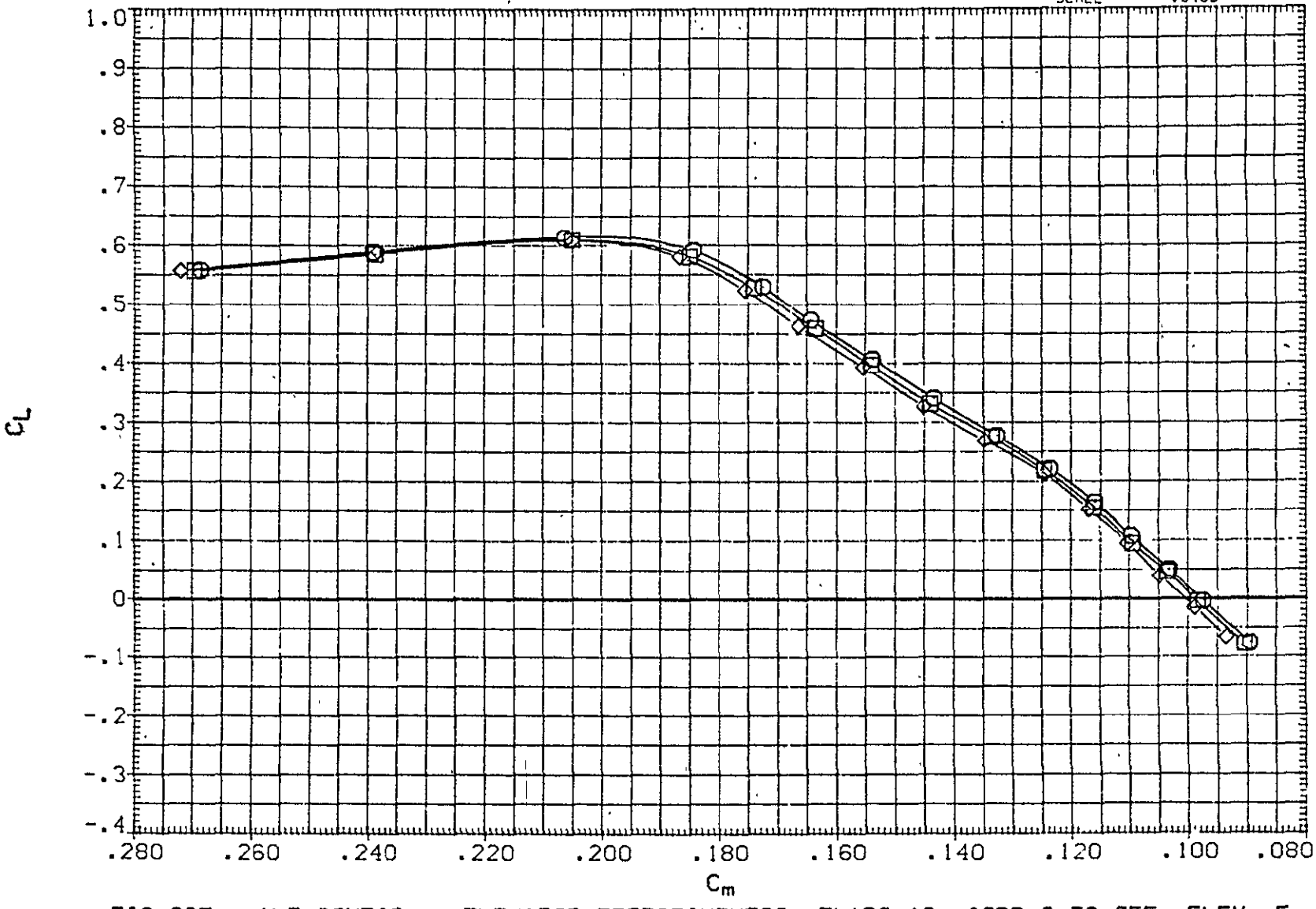

FIG 237 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF104)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(TJF106)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402
(TJF103)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BFTA
17.000	-2.000	.000	.000
.000	-2.000	.000	.000
-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

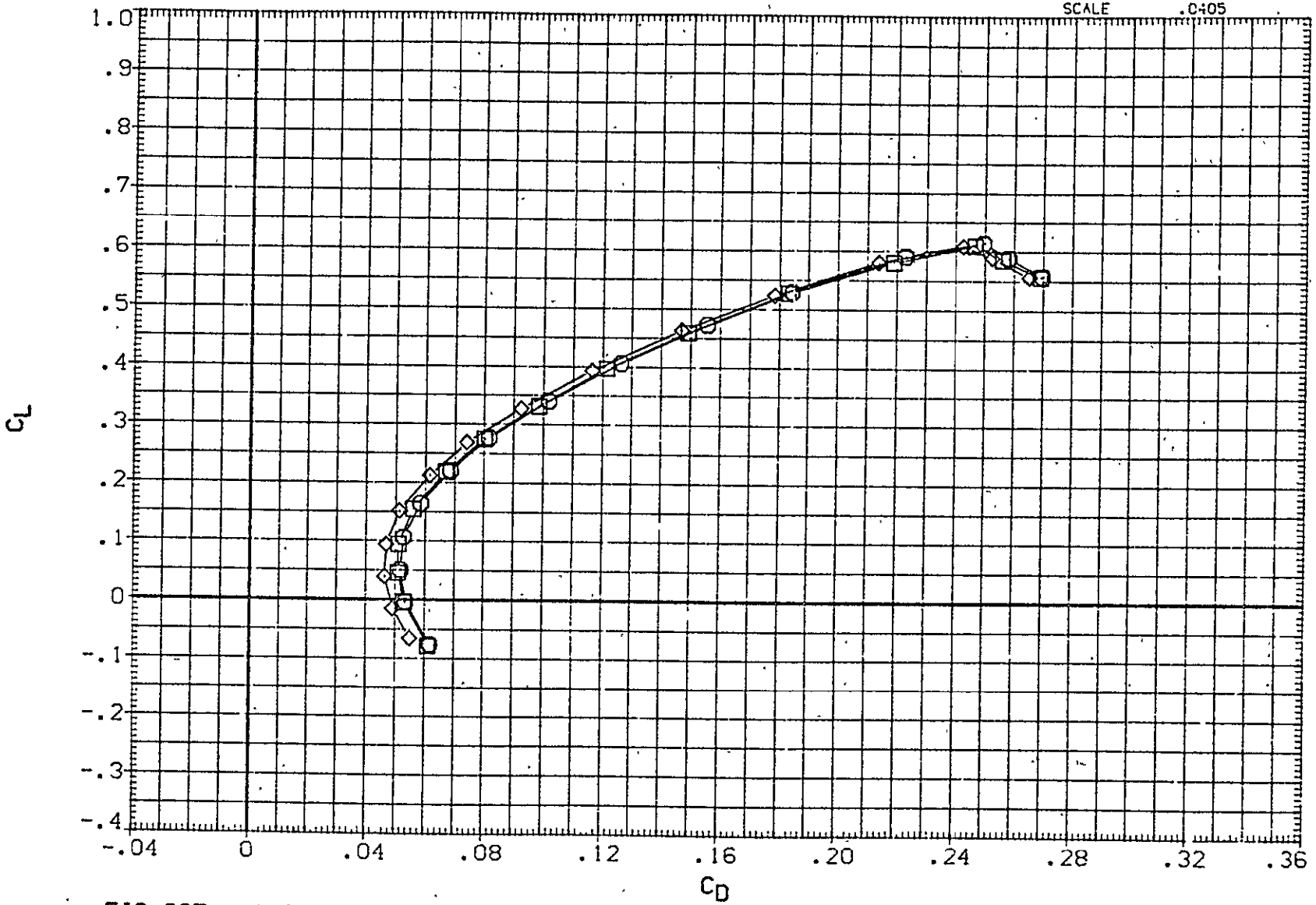

FIG 237 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 10, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF109)	○	(CA-8) K3V9.1.2TS5HIS.6.1F10TS402GS.3.5	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5HIS.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XC
YMRP	.0000	IN. YC
ZMRP	375.0000	IN. ZC
SCALE	.0405	

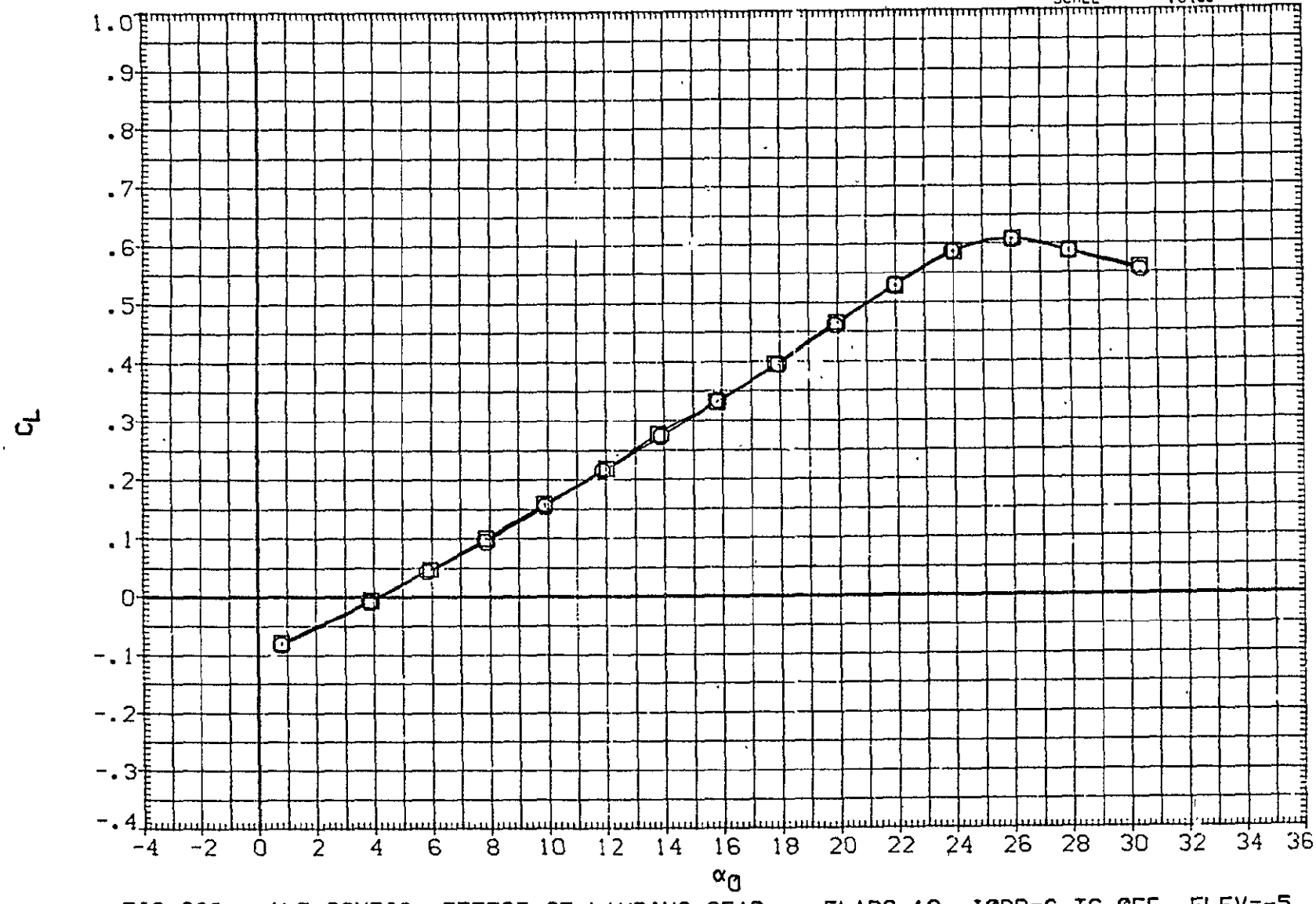

FIG 238 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

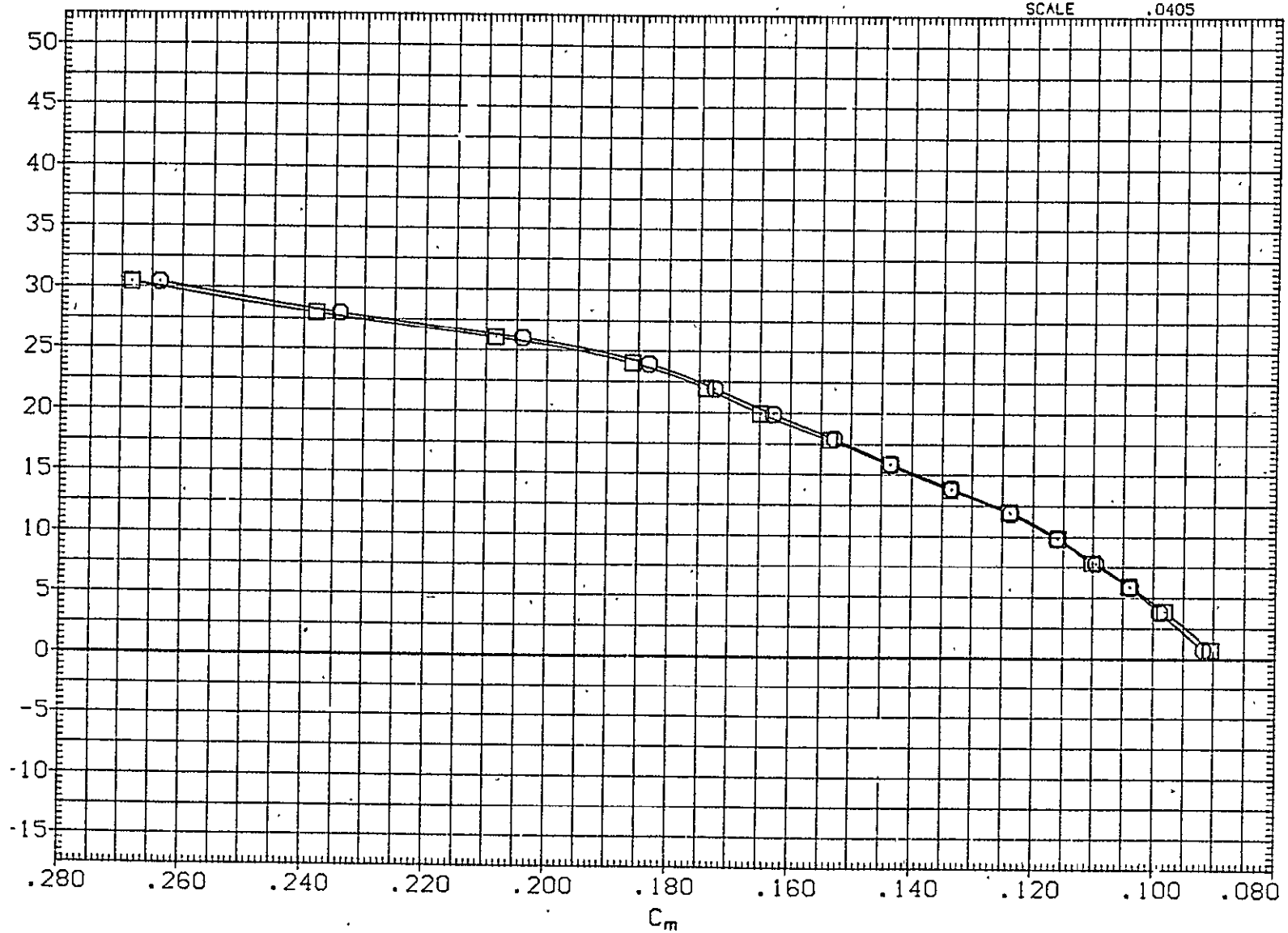

FIG 238 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

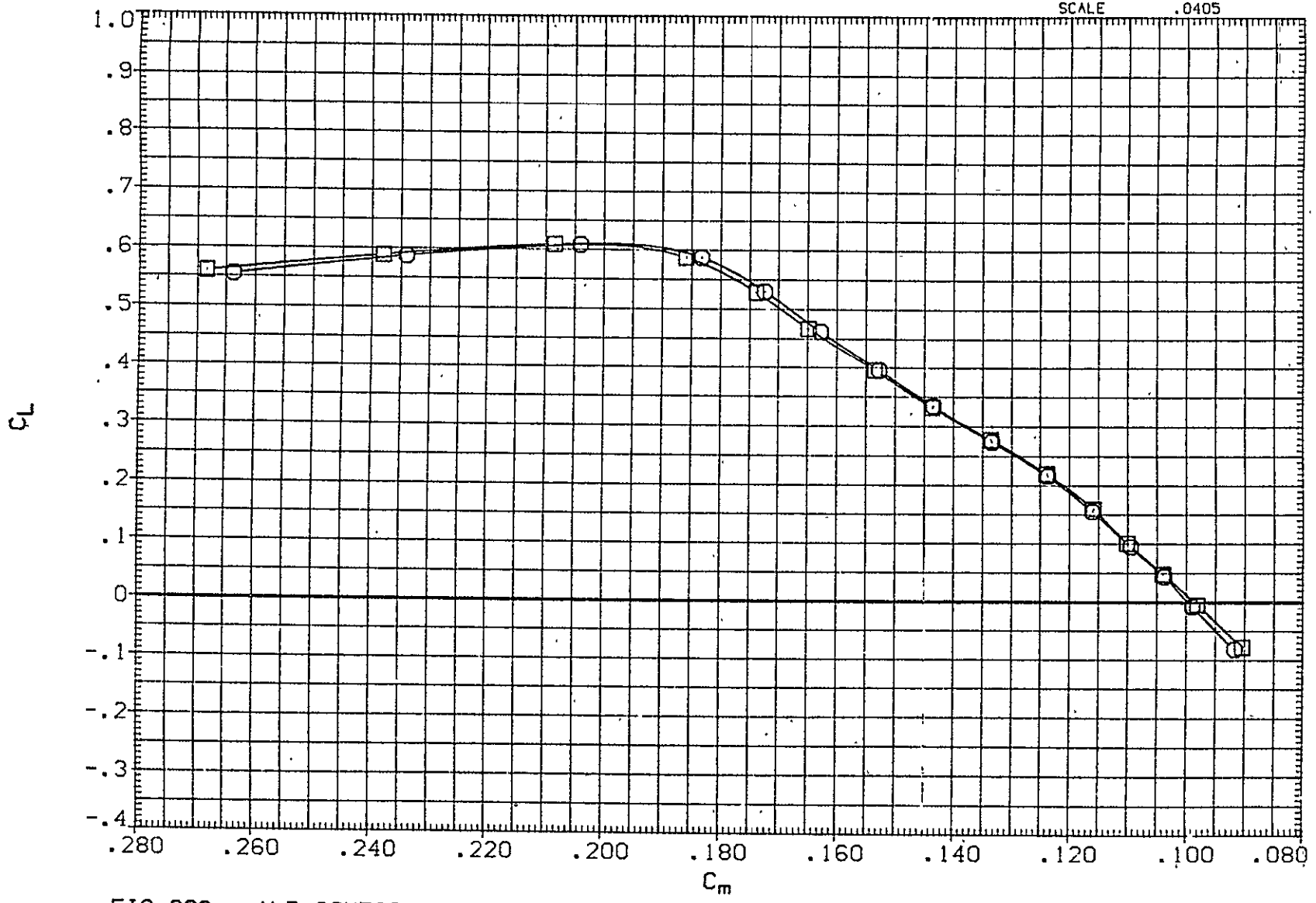

FIG 238 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 10. IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF109)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

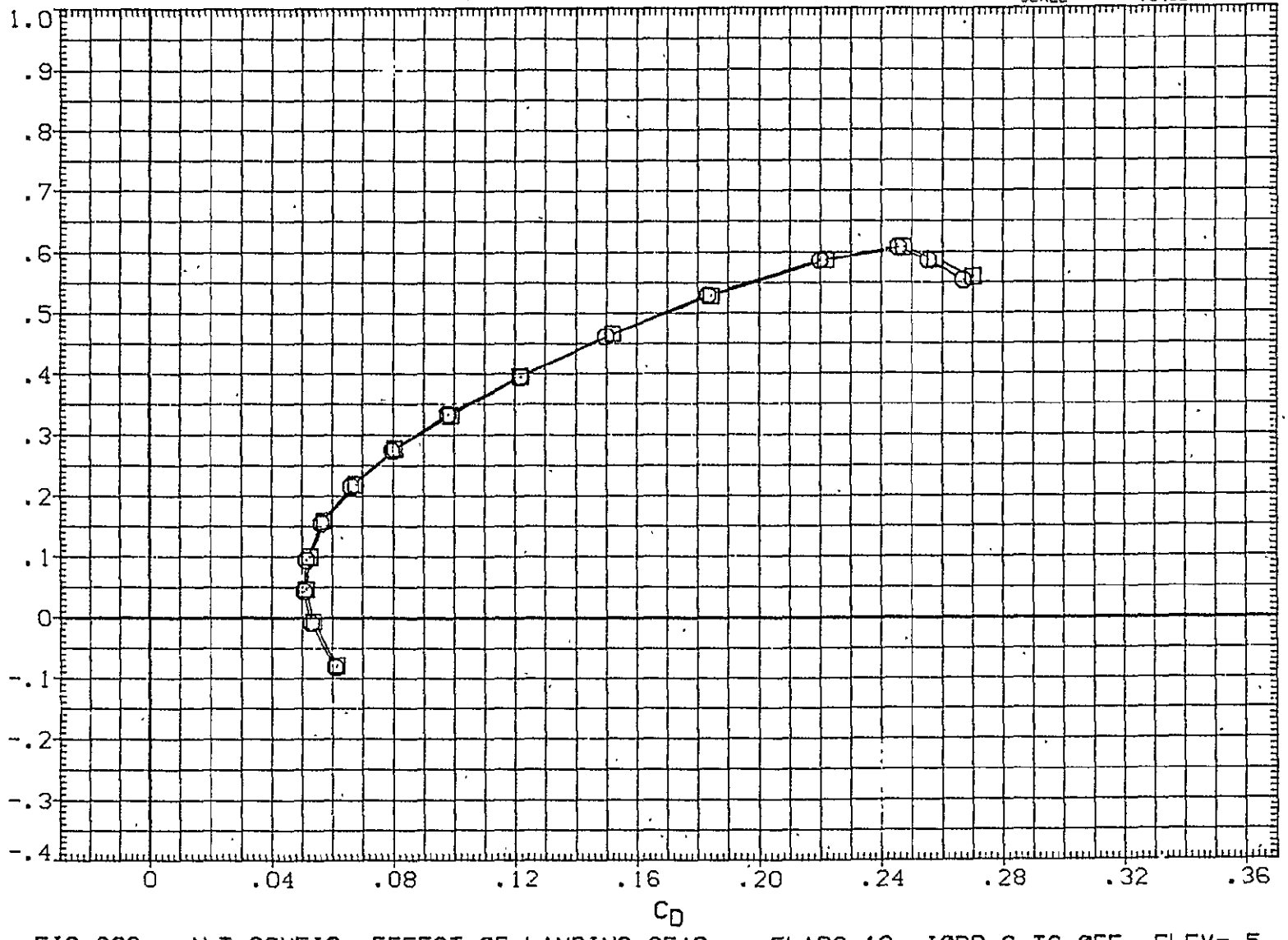

FIG 238 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 10. IORB=6.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402

ELEVTR	STAB	BDFLAP	BFTA
.000	.000	.000	.000
.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XØ
YMRP	.0000	IN. YØ
ZMRP	375.0000	IN. ZØ
SCALE	.0405	

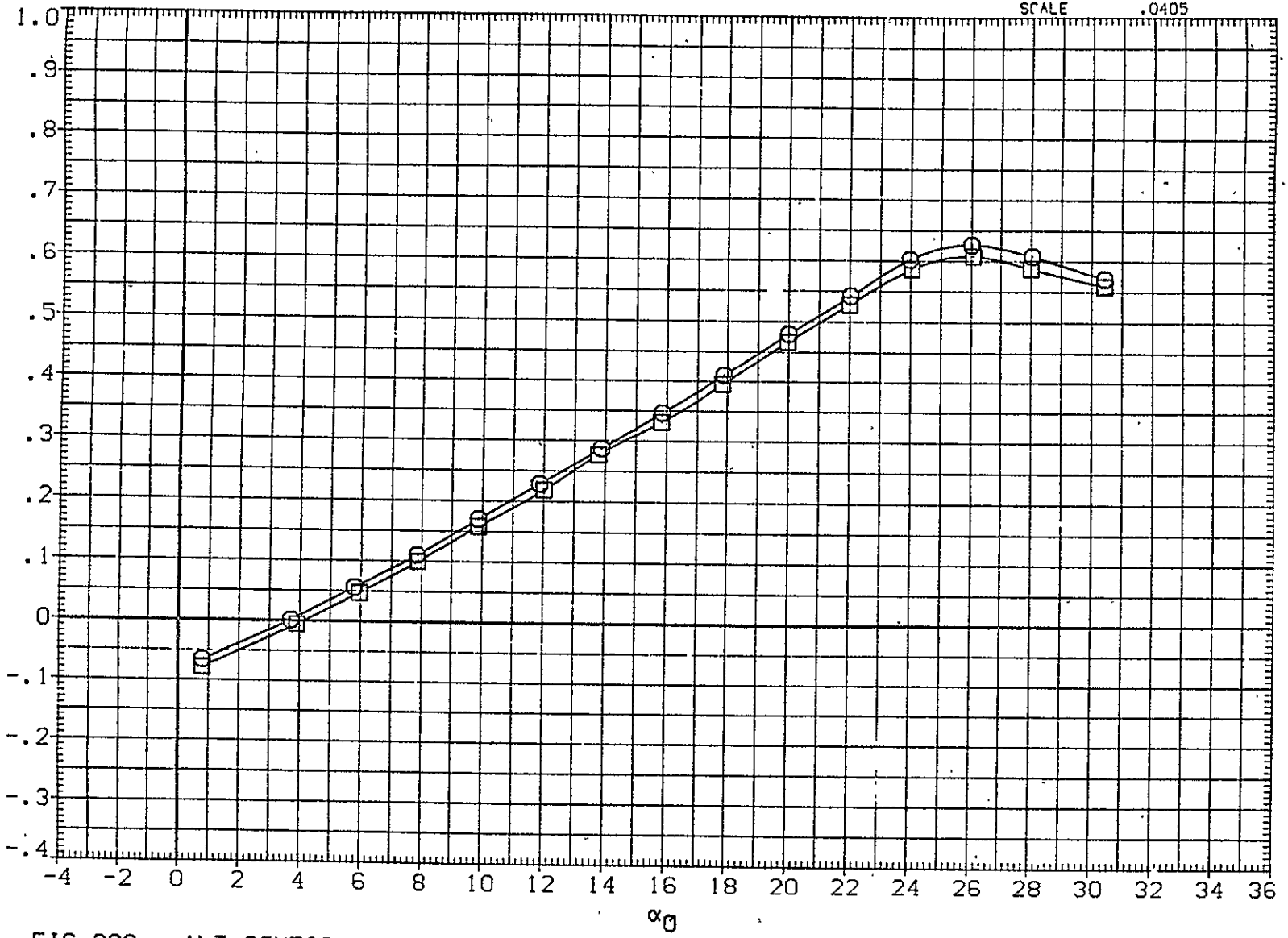

FIG 239 ALT CONFIG. EFFECT ØF SUGAR SCØØPS, FLAPS 10, IØRB=6, TC ØFF, ELEV=-5
ØRBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

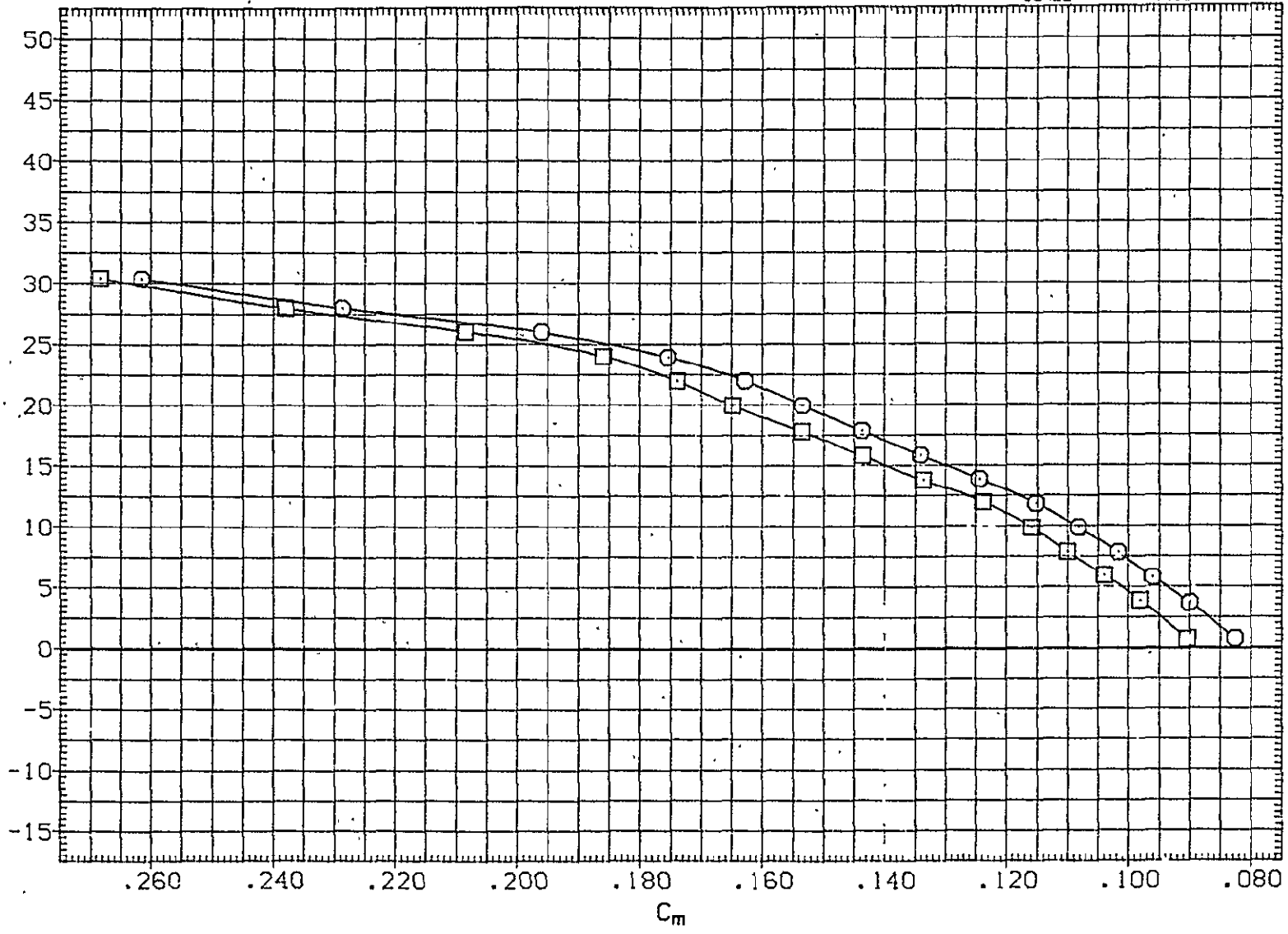

FIG 239 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

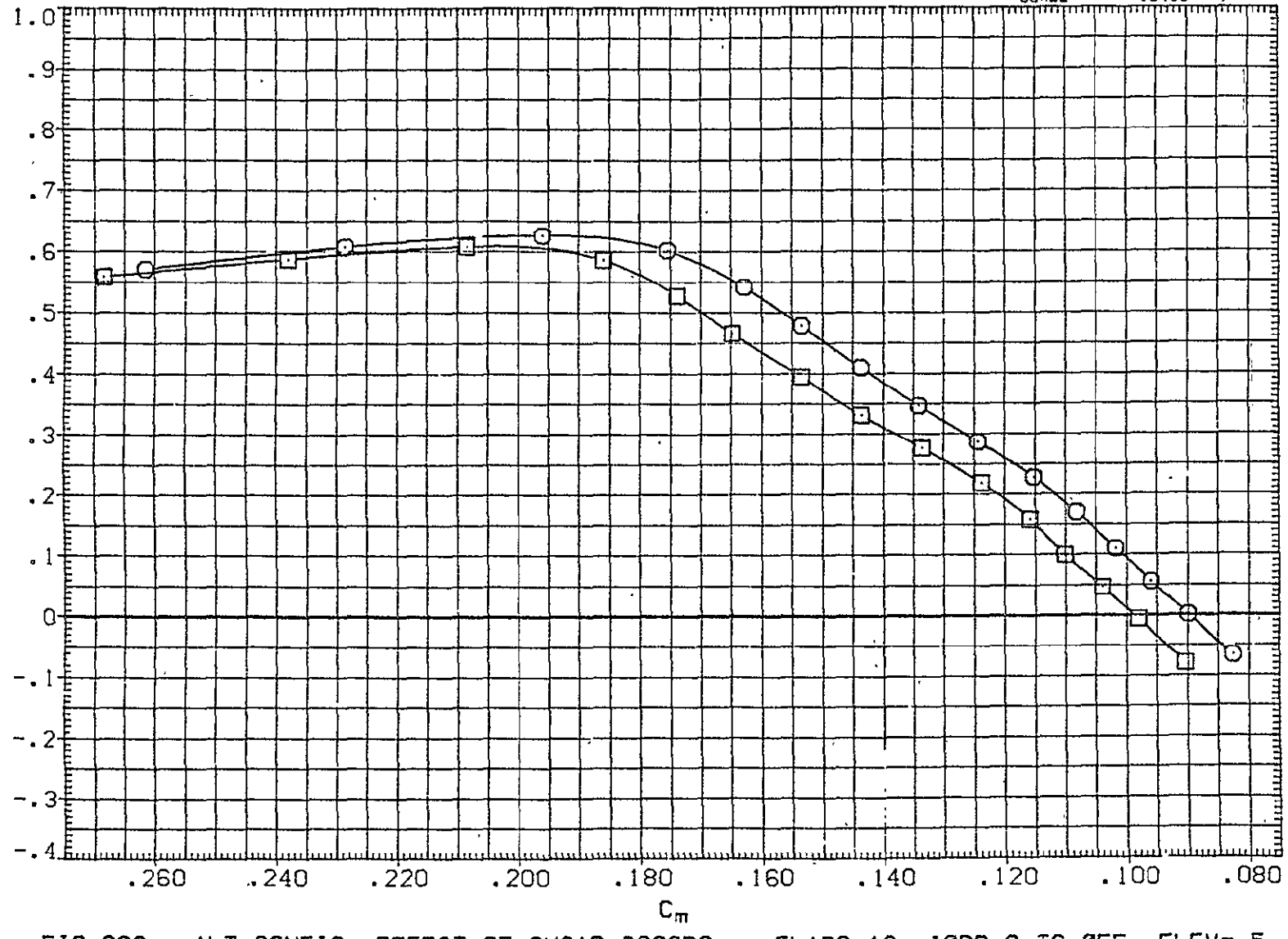

FIG 239 ALT CONFIG. EFFECT OF SUGAR SCOOPS. FLAPS 10. IORB=6.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF110)	○	(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS	.000	.000	.000	.000
(TJF107)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMPP	375.0000	IN.ZC
SCALE	.0405	

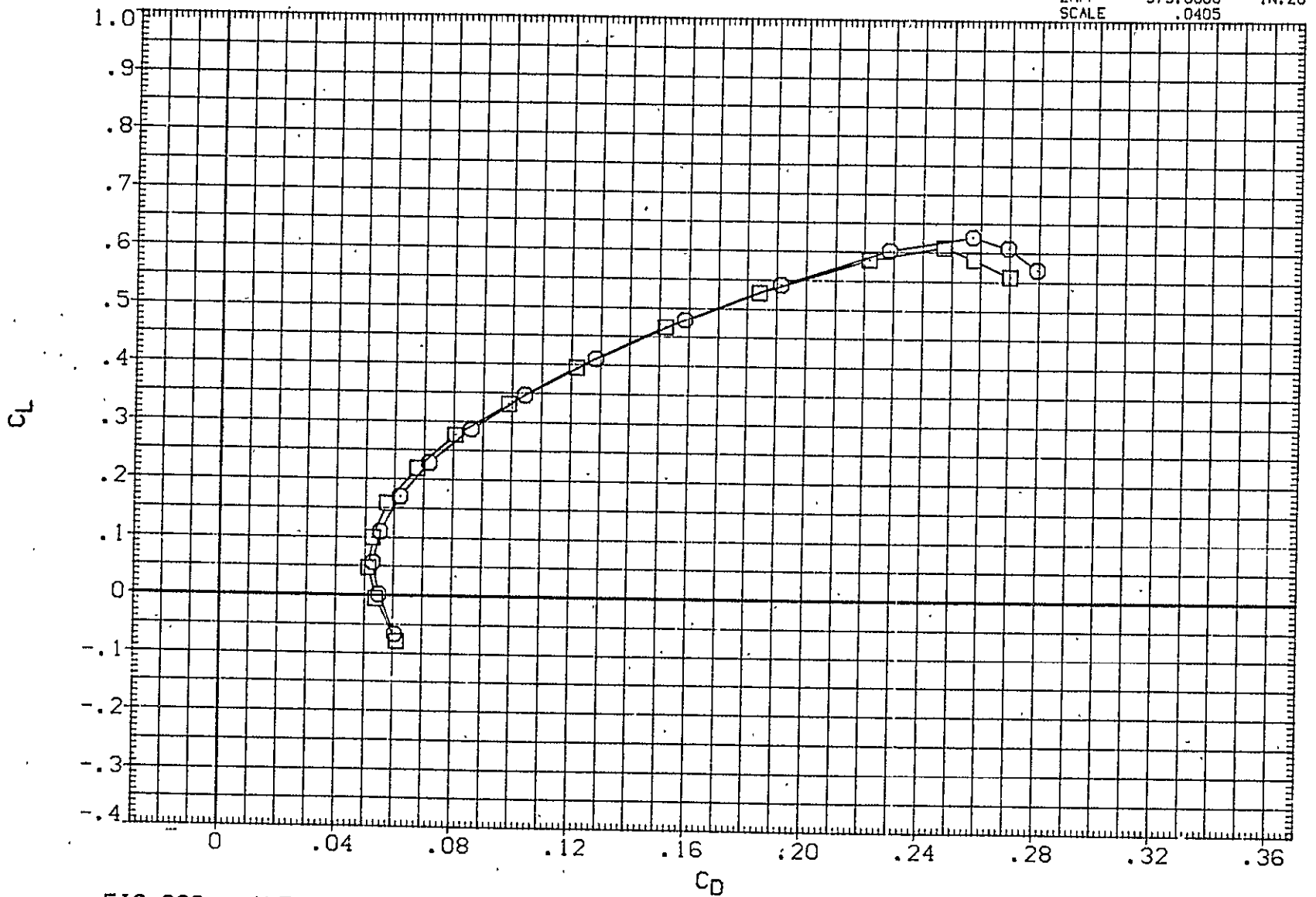

FIG 239 ALT CONFIG. EFFECT OF SUGAR SCOOPS, FLAPS 10, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000
(TJF081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000
(TJF080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000
(TJF079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000
(TJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

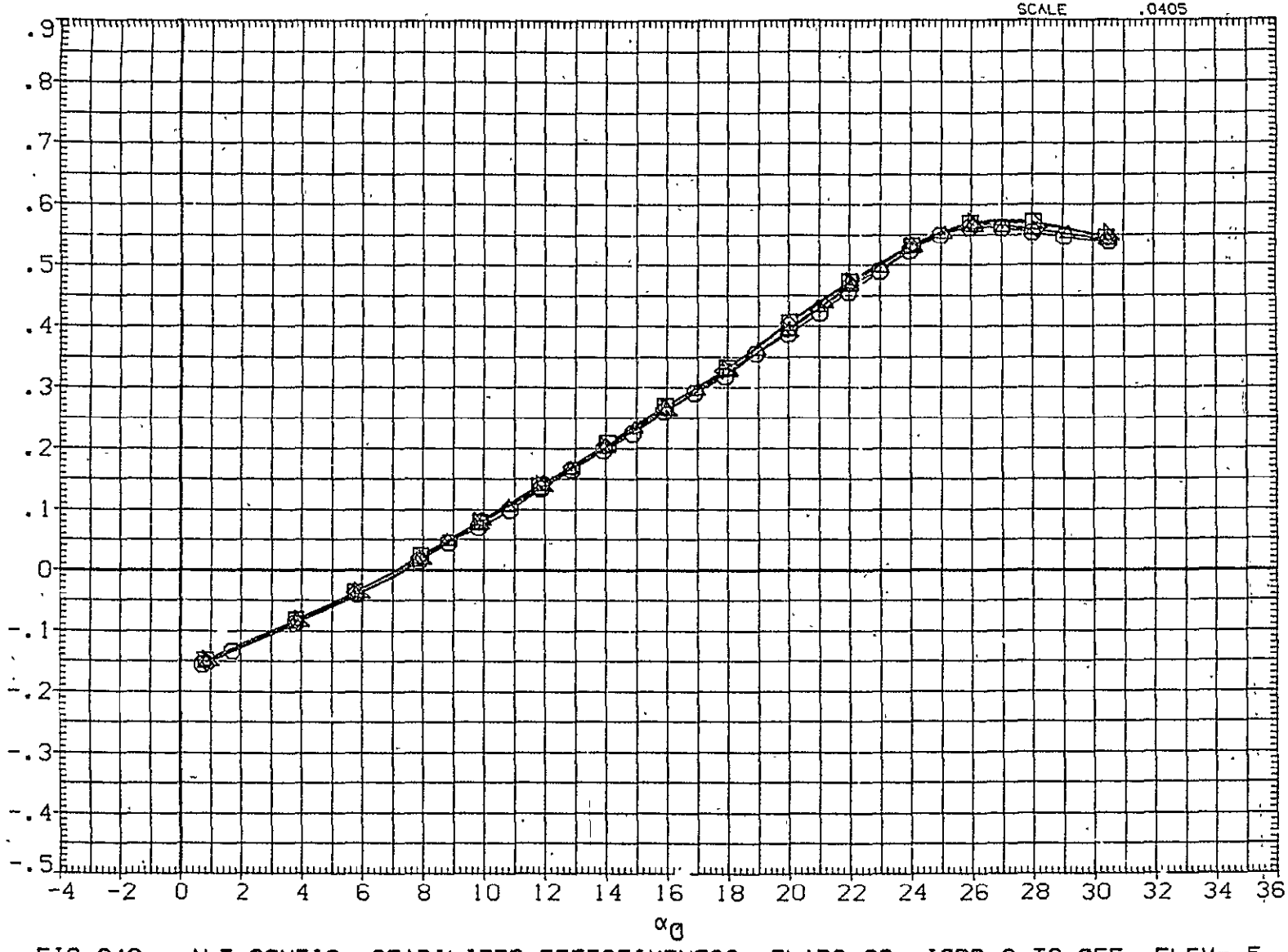

FIG 240 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402			.000	.000
(TJF081)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS402	.000	3.000	.000	.000
(TJF080)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	.000	.000	.000
(TJF079)	△	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000
(TJF078)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

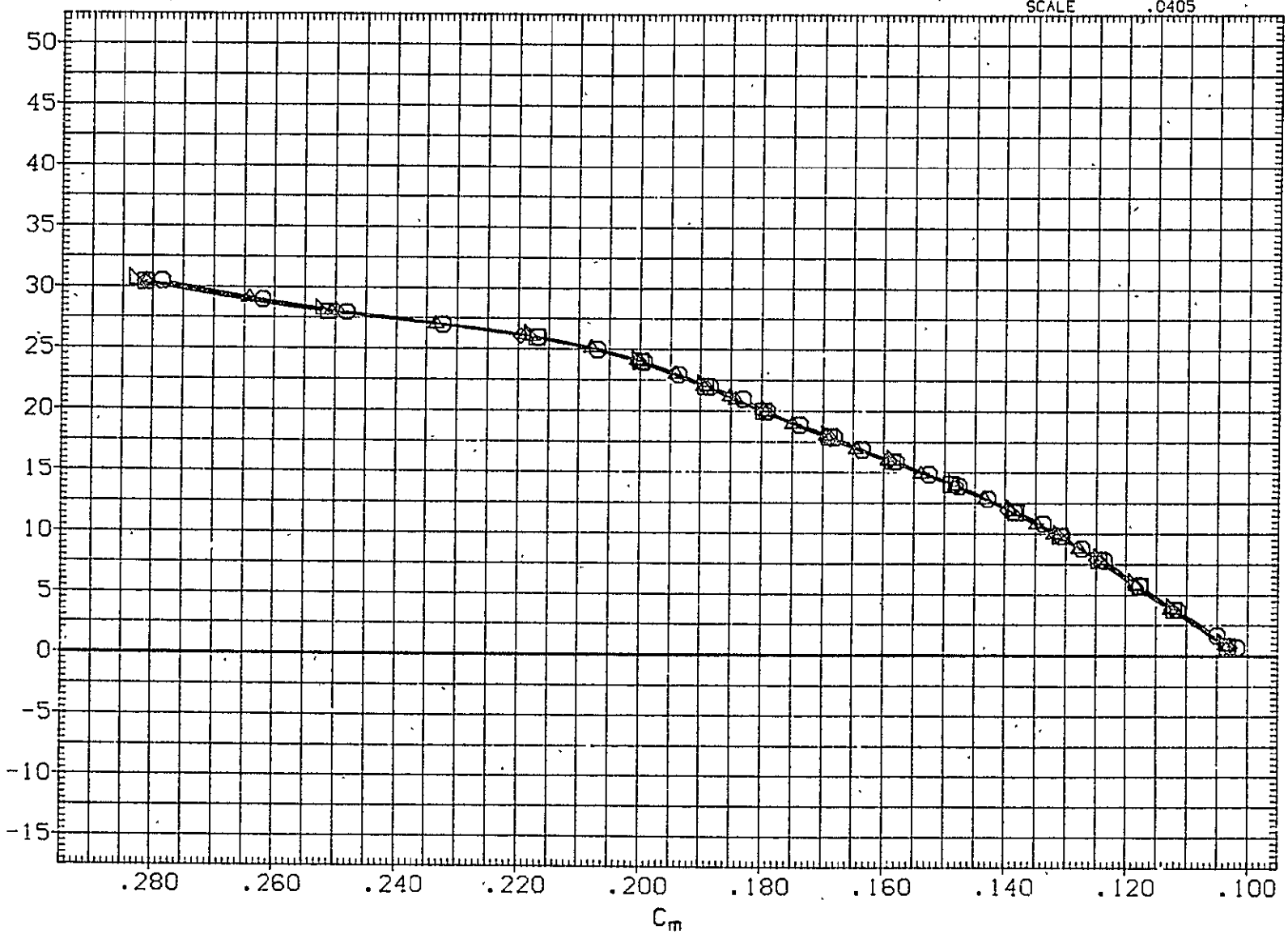

FIG 240 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

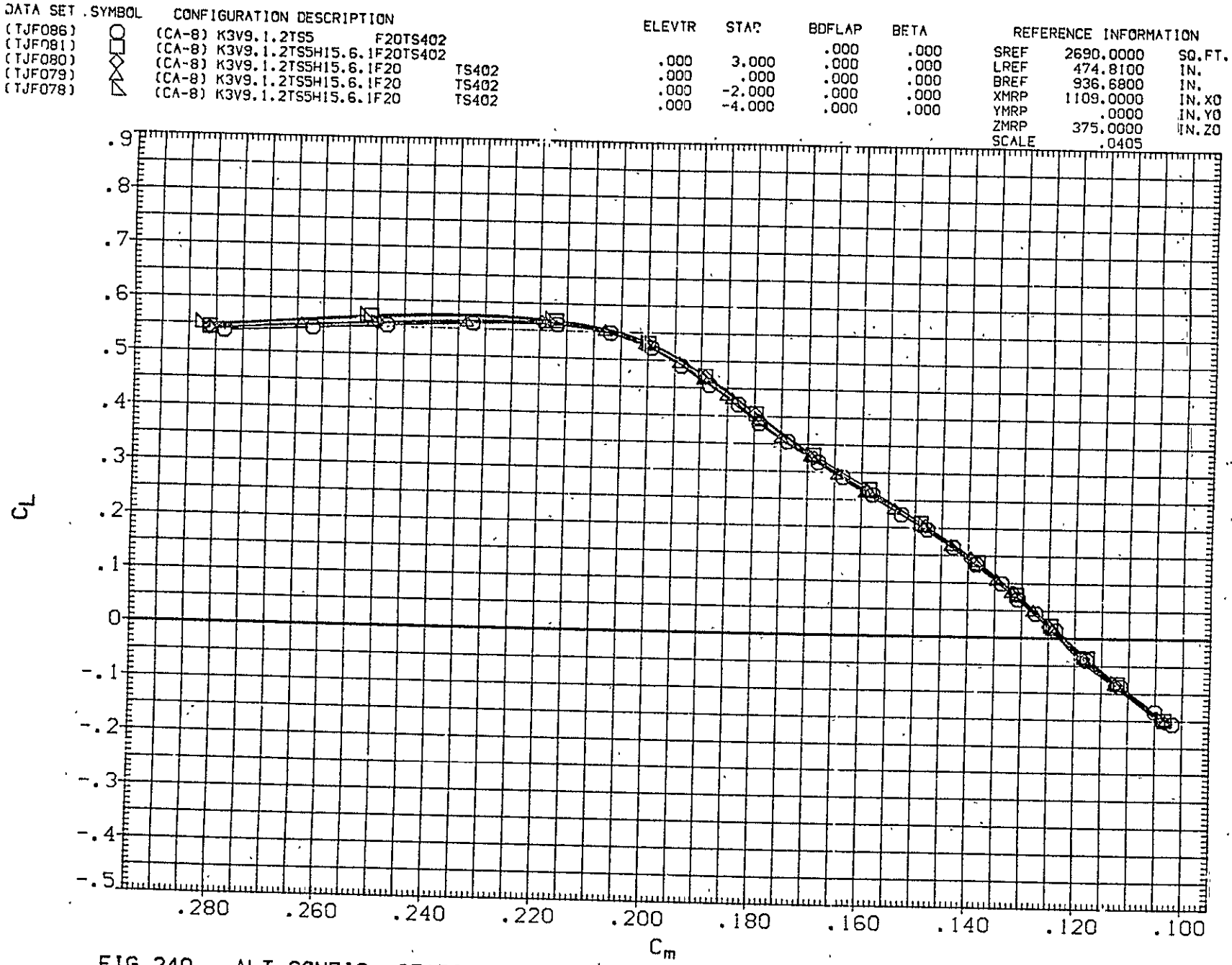

FIG 240 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVTR	STAB	BDFLAP	BETA
(TJF086)	○	(CA-8) K3V9.1.2TS5 F20TS402				.000	.000
(TJF081)	□	(CA-8) K3V9.1.2TS5HI5.6.1F20TS402		.000	3.000	.000	.000
(TJF080)	◇	(CA-8) K3V9.1.2TS5HI5.6.1F20	TS402	.000	.000	.000	.000
(TJF079)	△	(CA-8) K3V9.1.2TS5HI5.6.1F20	TS402	.000	-2.000	.000	.000
(TJF078)	▽	(CA-8) K3V9.1.2TS5HI5.6.1F20	TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

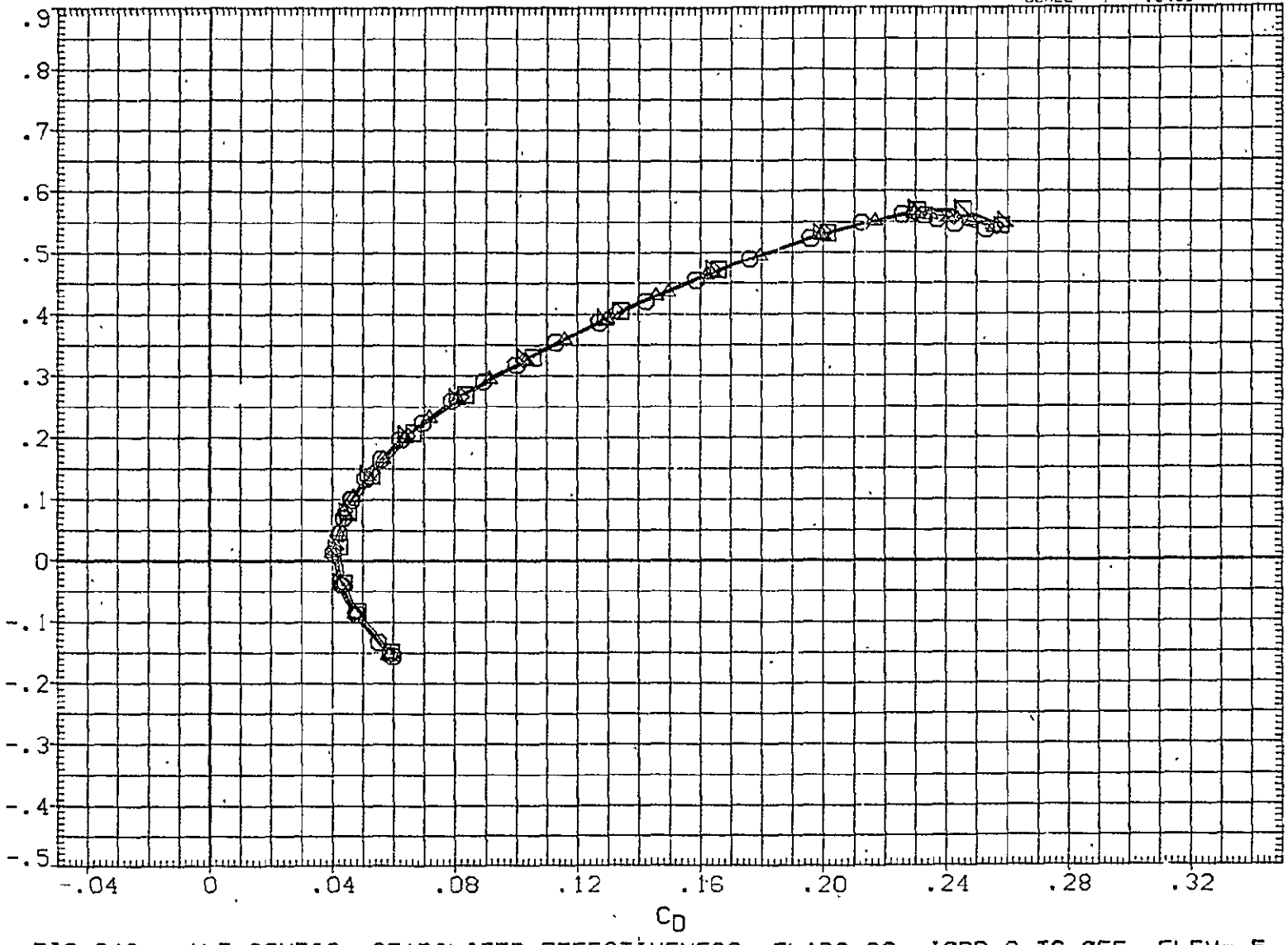

FIG 240 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF077)	○	(CA-B) K3V9.1.2TS5H15.6.1F20G5.3.5TS402
(TJF079)	□	(CA-B) K3V9.1.2TS5H15.6.1F20 TS402

E_EVTR	STAB	BDFLAP	BETA
.000	-2.000	.000	.000
.000	-2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

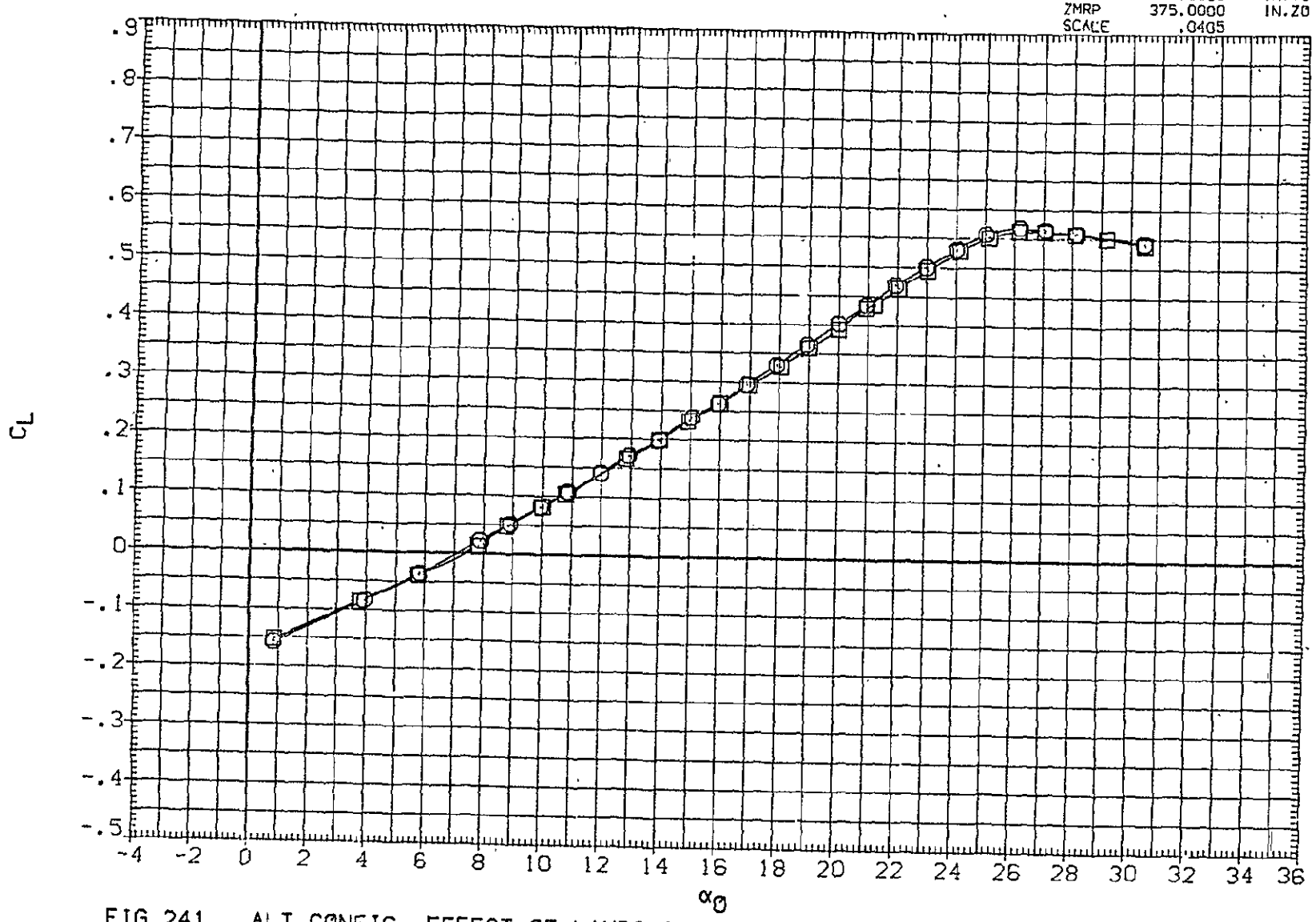

FIG 241 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH =

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F2065.3.5TS402	.000	-2.000	.000	.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

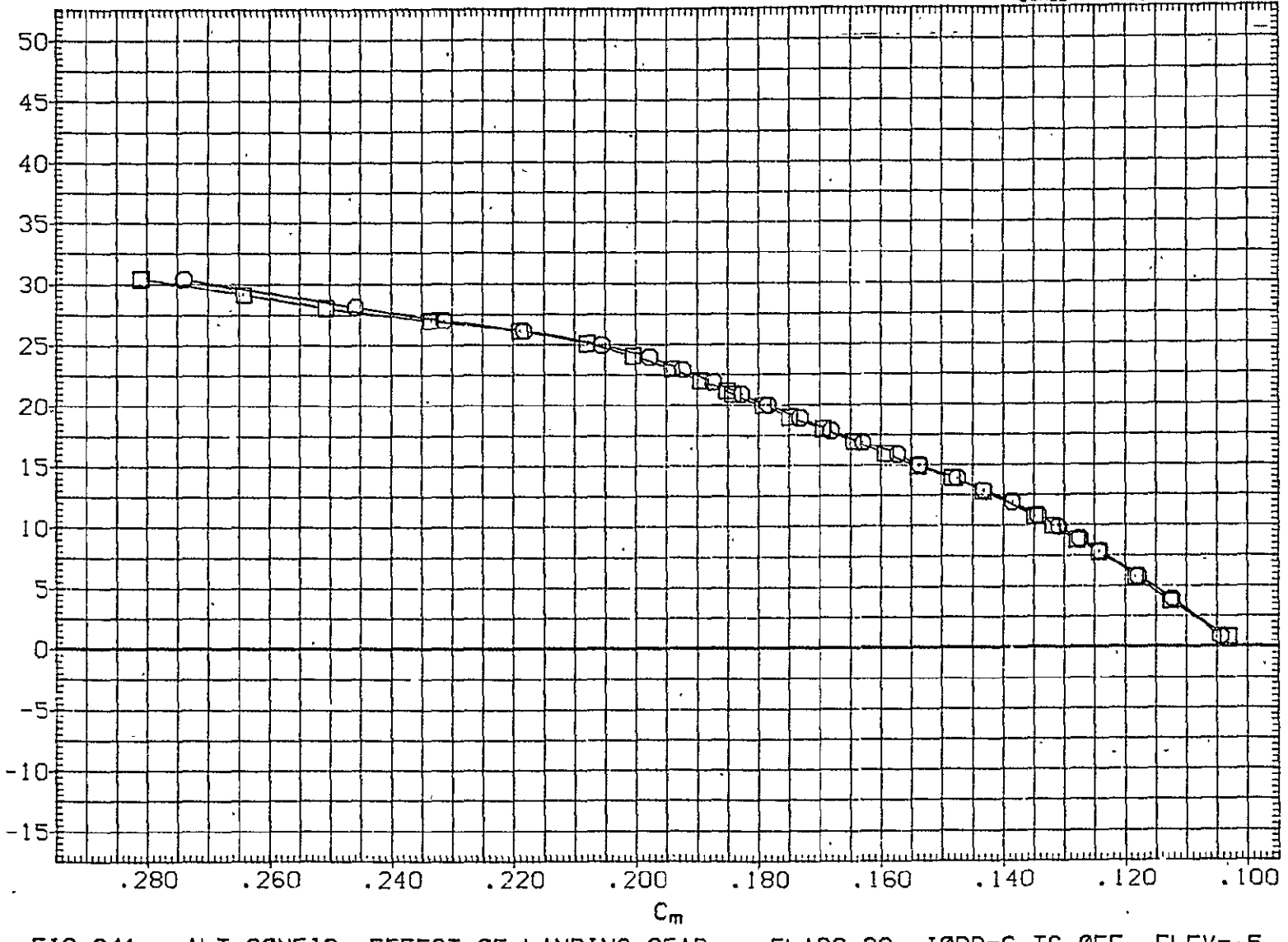

FIG 241 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402	.000	-2.000	.000	.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

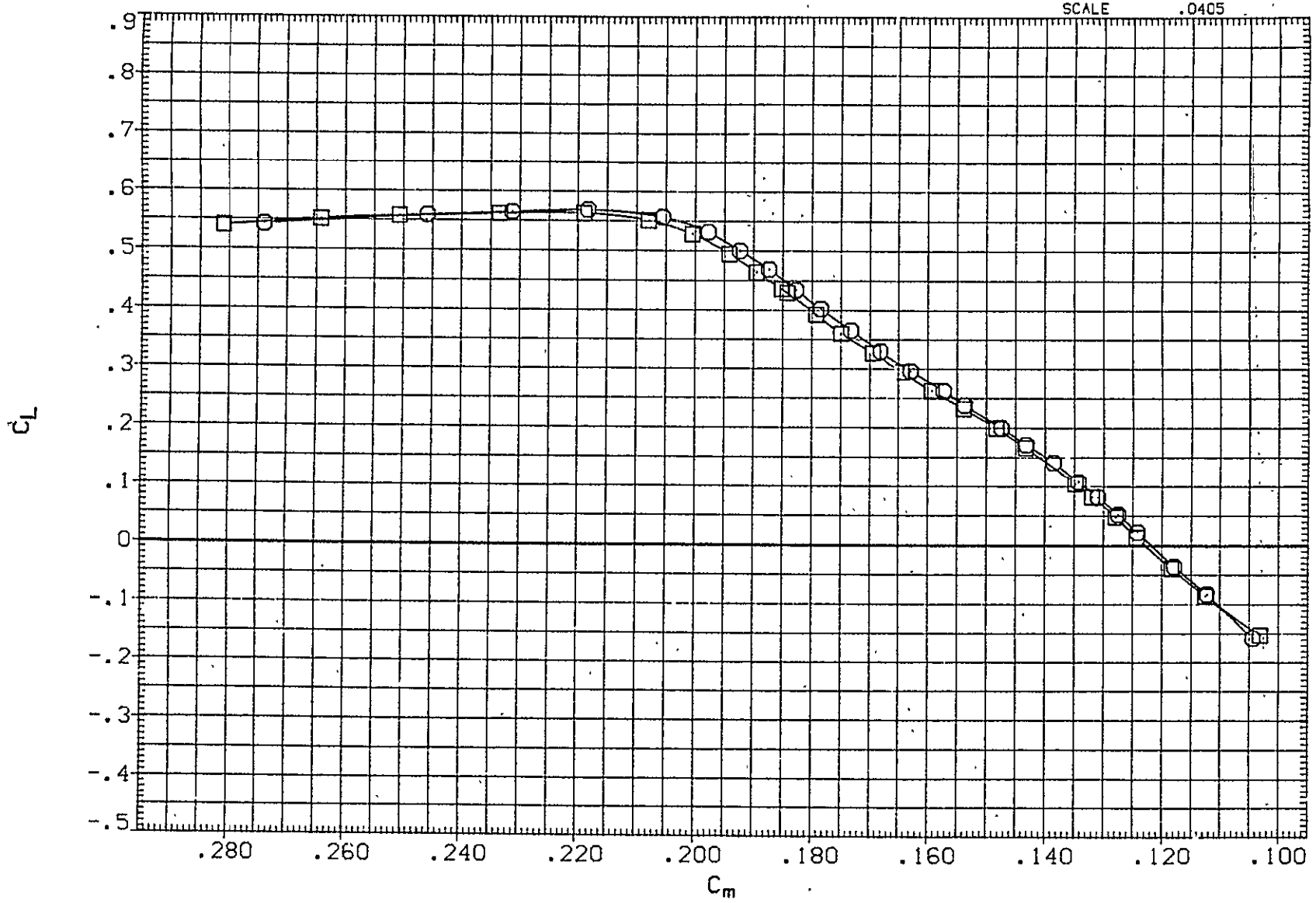

FIG 241 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF077)	○	(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402	.000	-2.000	.000	.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XG
YMRP	.0000	IN.YG
ZMRP	375.0000	IN.ZG
SCALE	.0405	

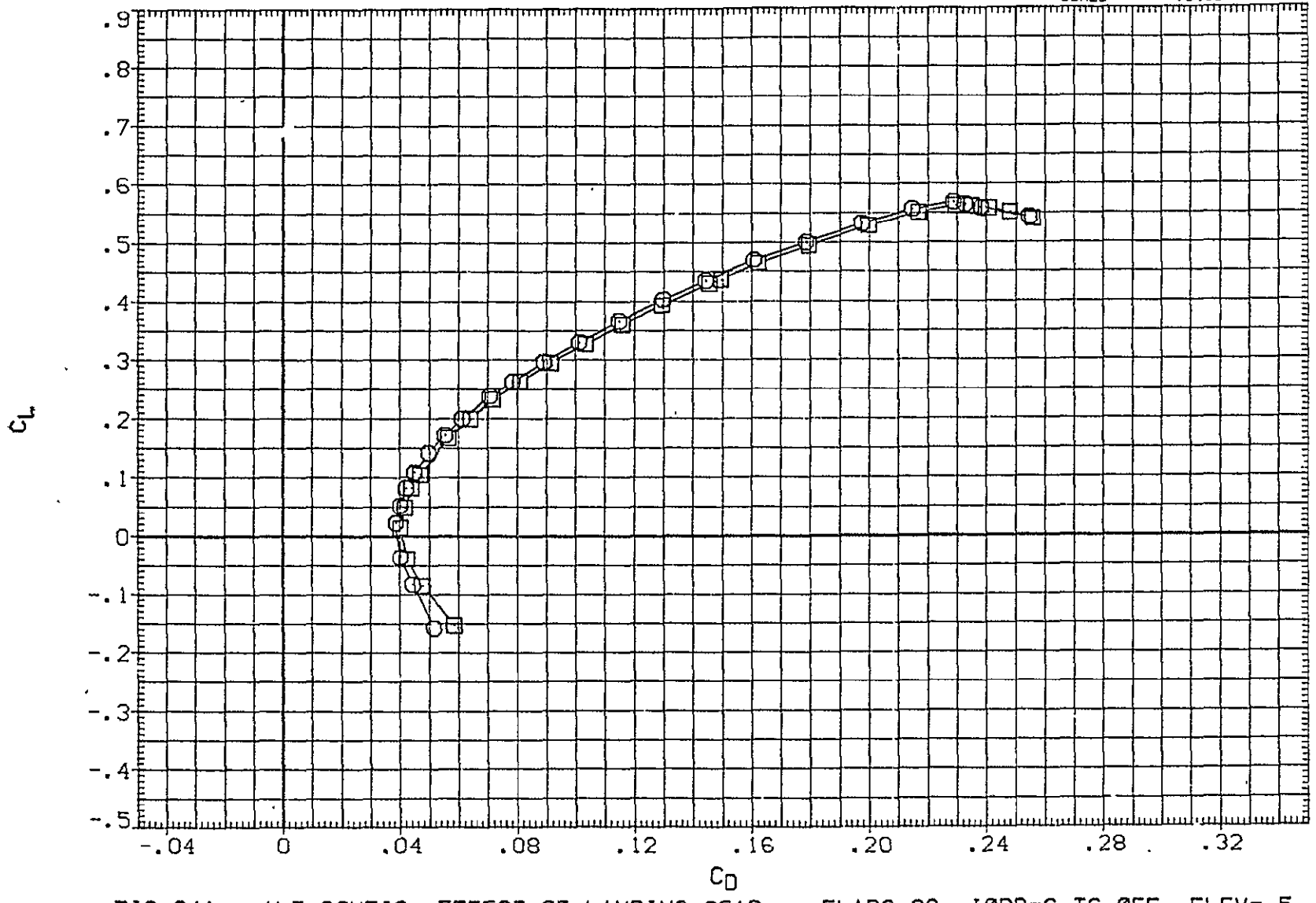

FIG 241 ALT CONFIG. EFFECT OF LANDING GEAR. FLAPS 20, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402
(TJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402
(TJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-4.000	.000	.000
.000	-4.000	.000	.000
-23.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

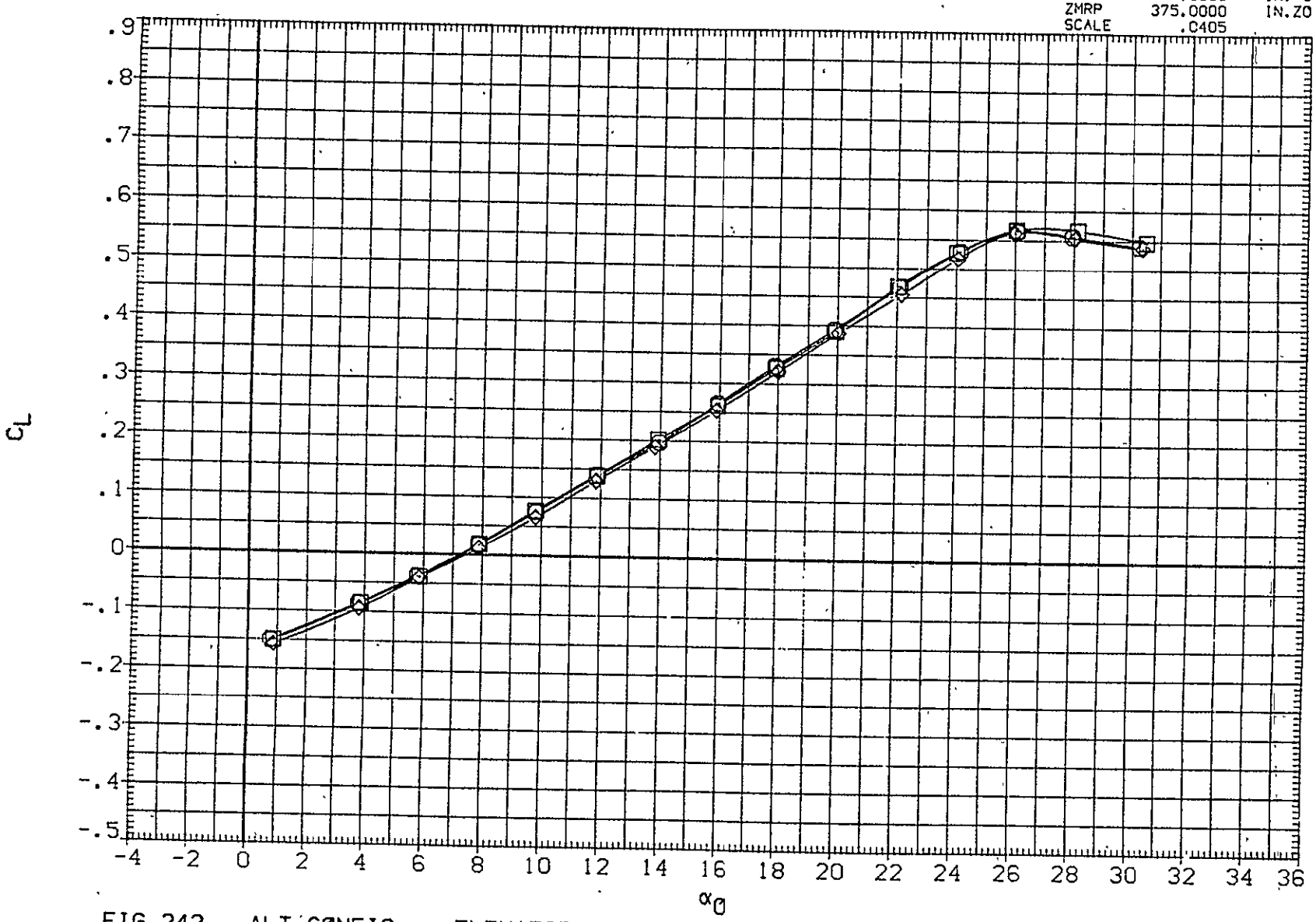

FIG 242 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	17.000	-4.000	.000	.000
(TJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-4.000	.000	.000
(TJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402	-23.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

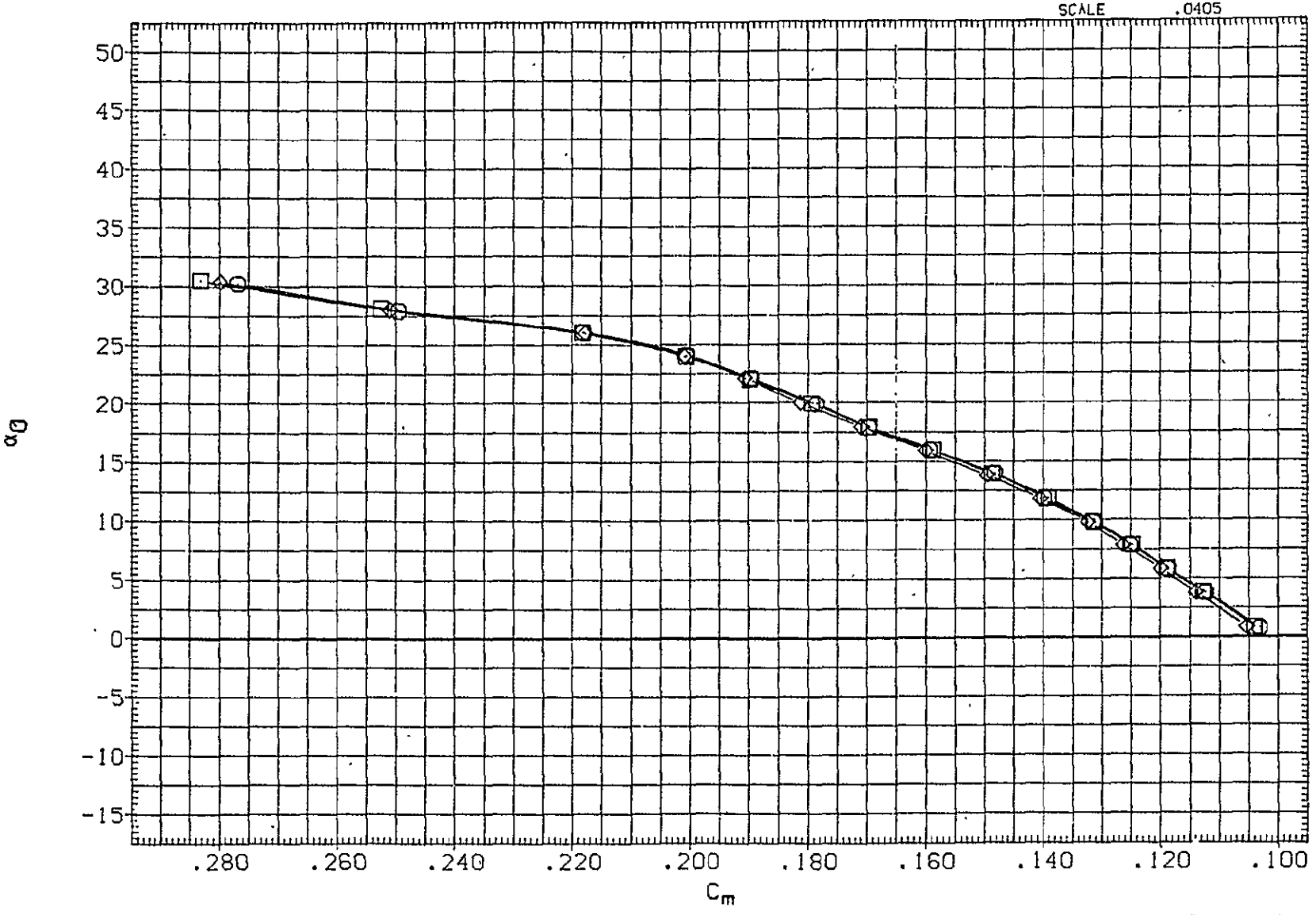

FIG 242 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402
(TJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402
(TJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-4.000	.000	.000
.000	-4.000	.000	.000
-23.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

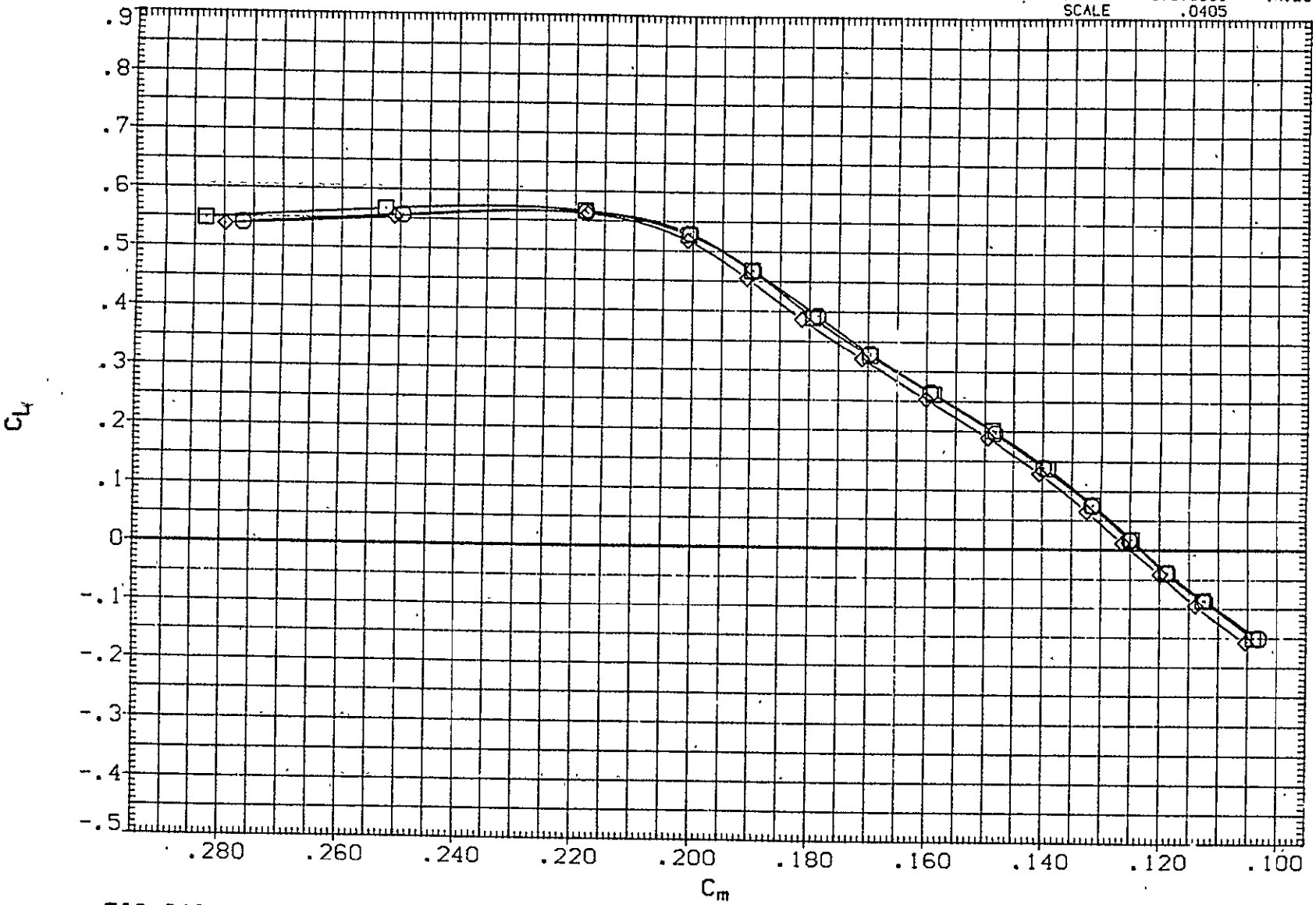

FIG 242 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF100)	○	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402
(TJF078)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402
(TJF101)	◇	(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-4.000	.000	.000
.000	-4.000	.000	.000
-23.000	-4.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

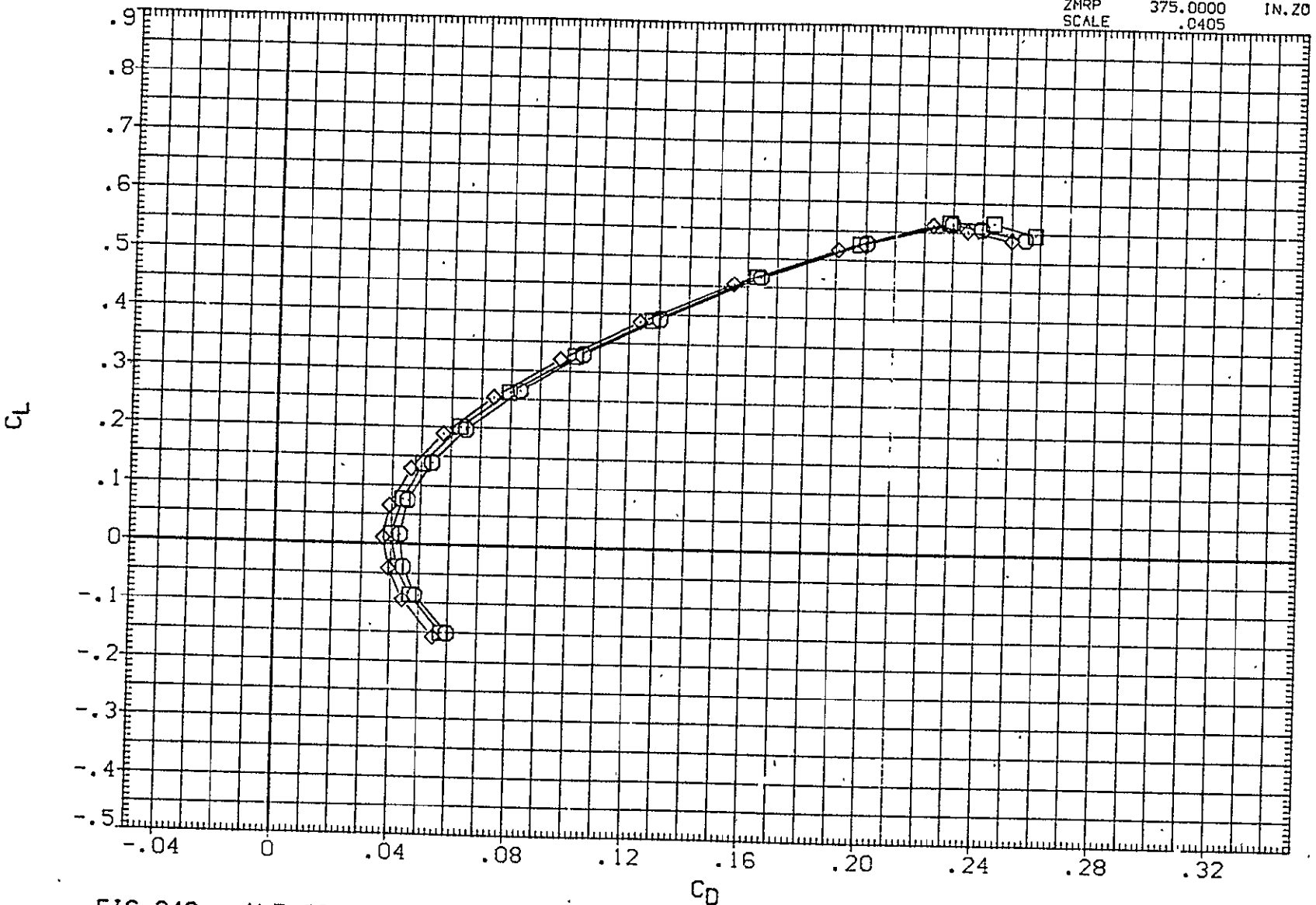

FIG 242 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

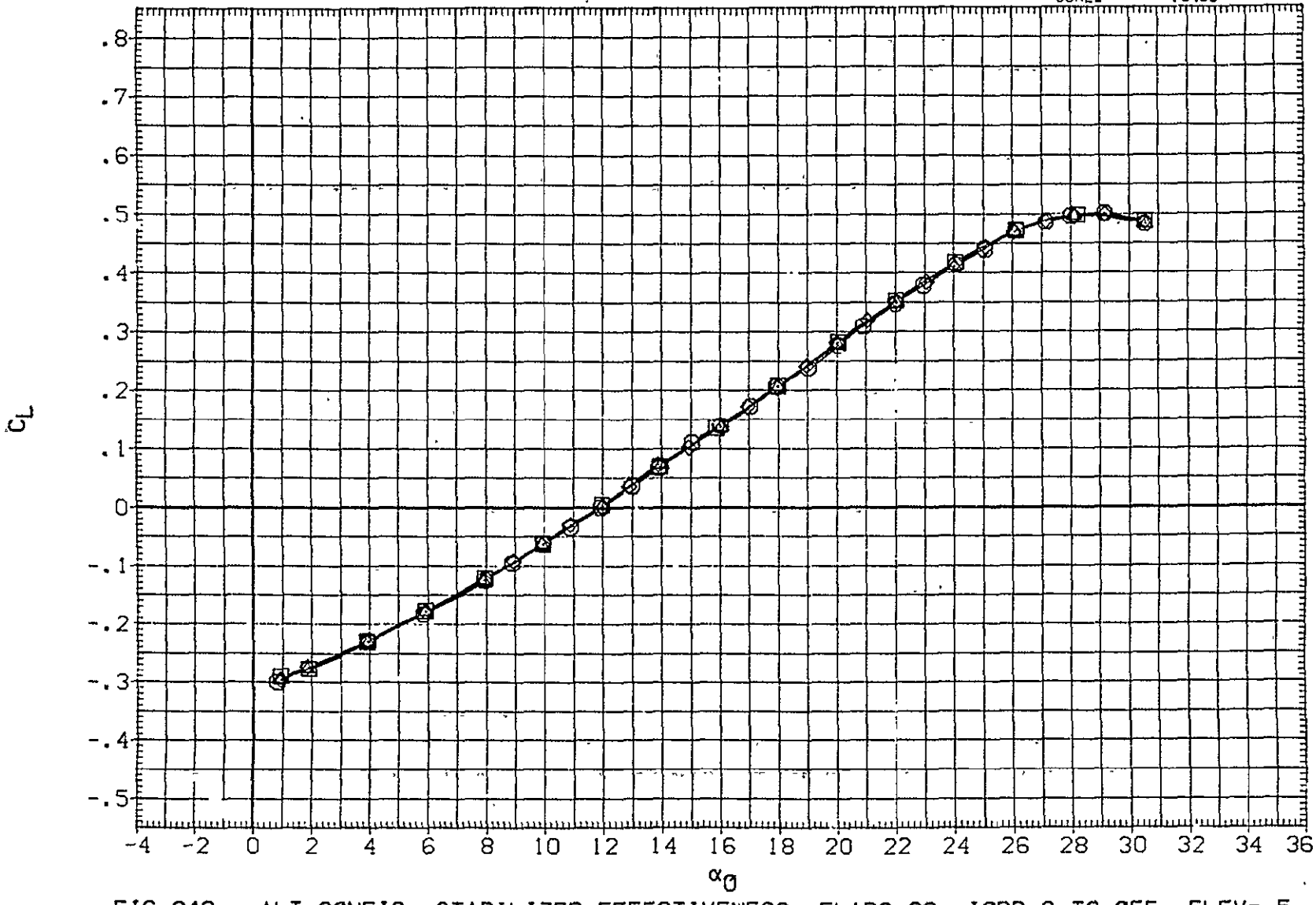

FIG 243 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402	.000	.000	.000	.000
(TJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000
(TJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402				

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

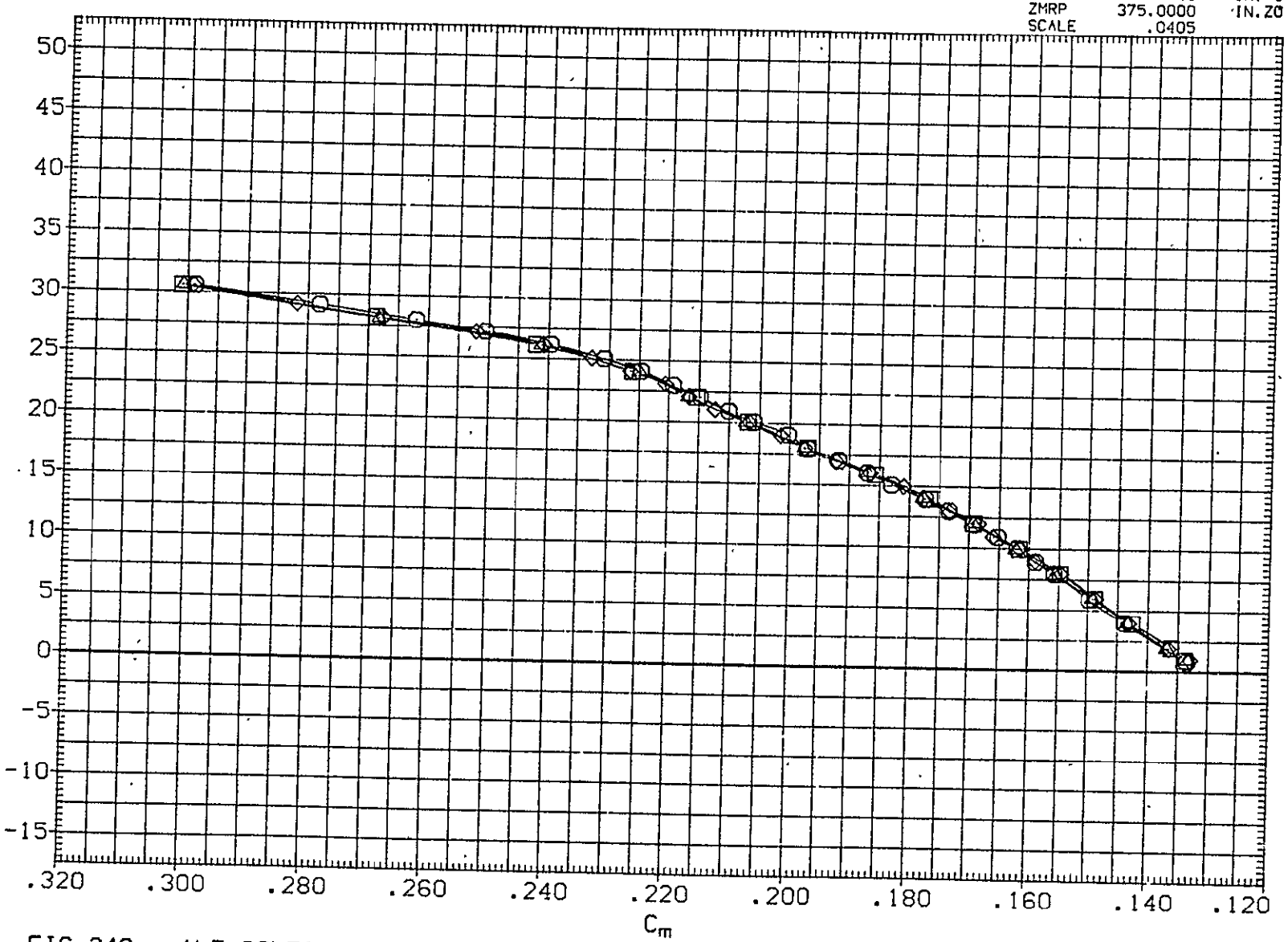

FIG 243 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XC
YMRP	.0000	IN. YC
ZMRP	375.0000	IN. ZC
SCALE	.0405	

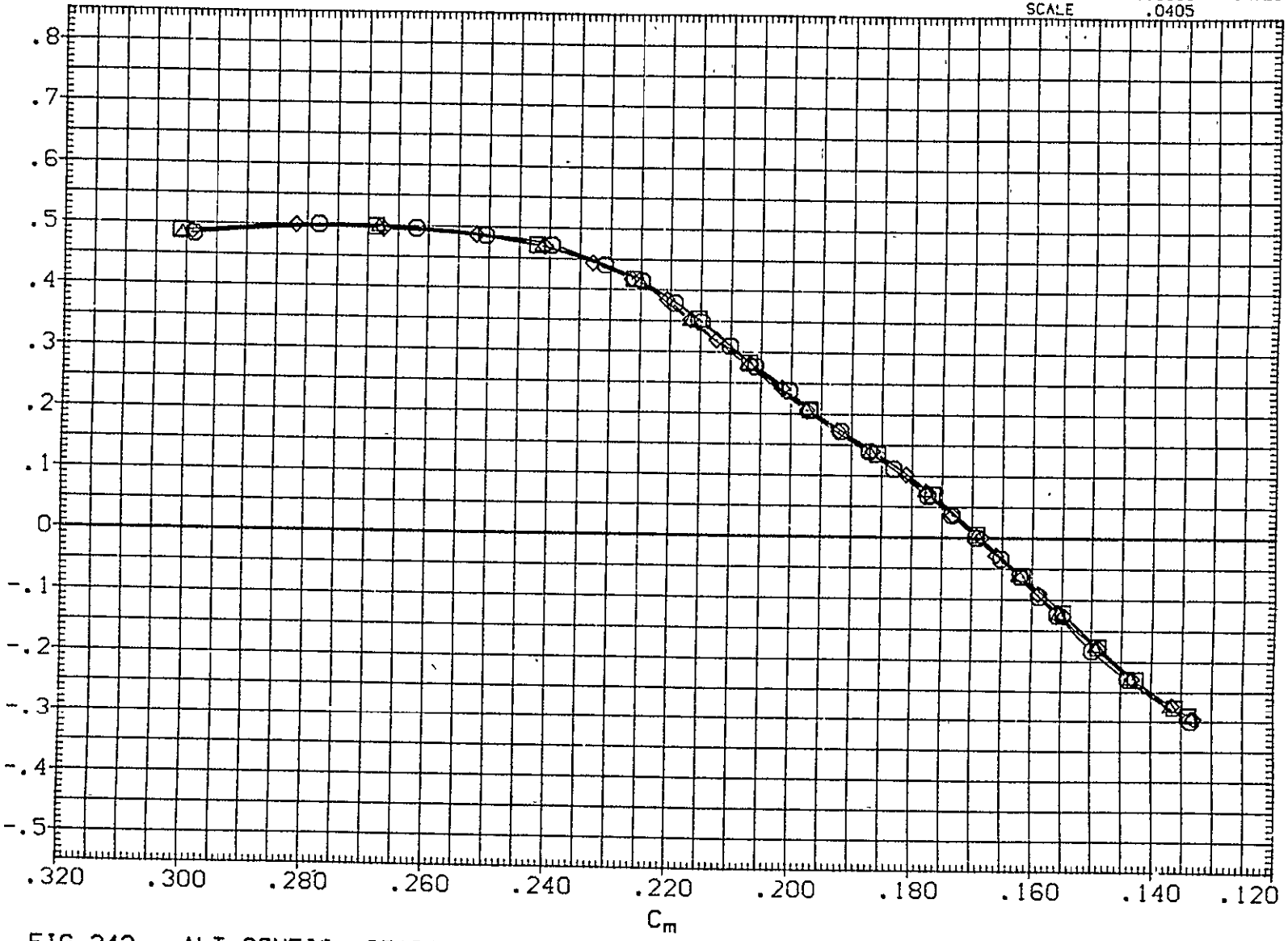

FIG 243 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, I0RB=6.TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF072)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402
(TJF069)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF068)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	CTAB	BDFLAP	BETA
		.000	.000
.000	.000	.000	.000
.000	-2.000	.000	.000
.000	-4.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

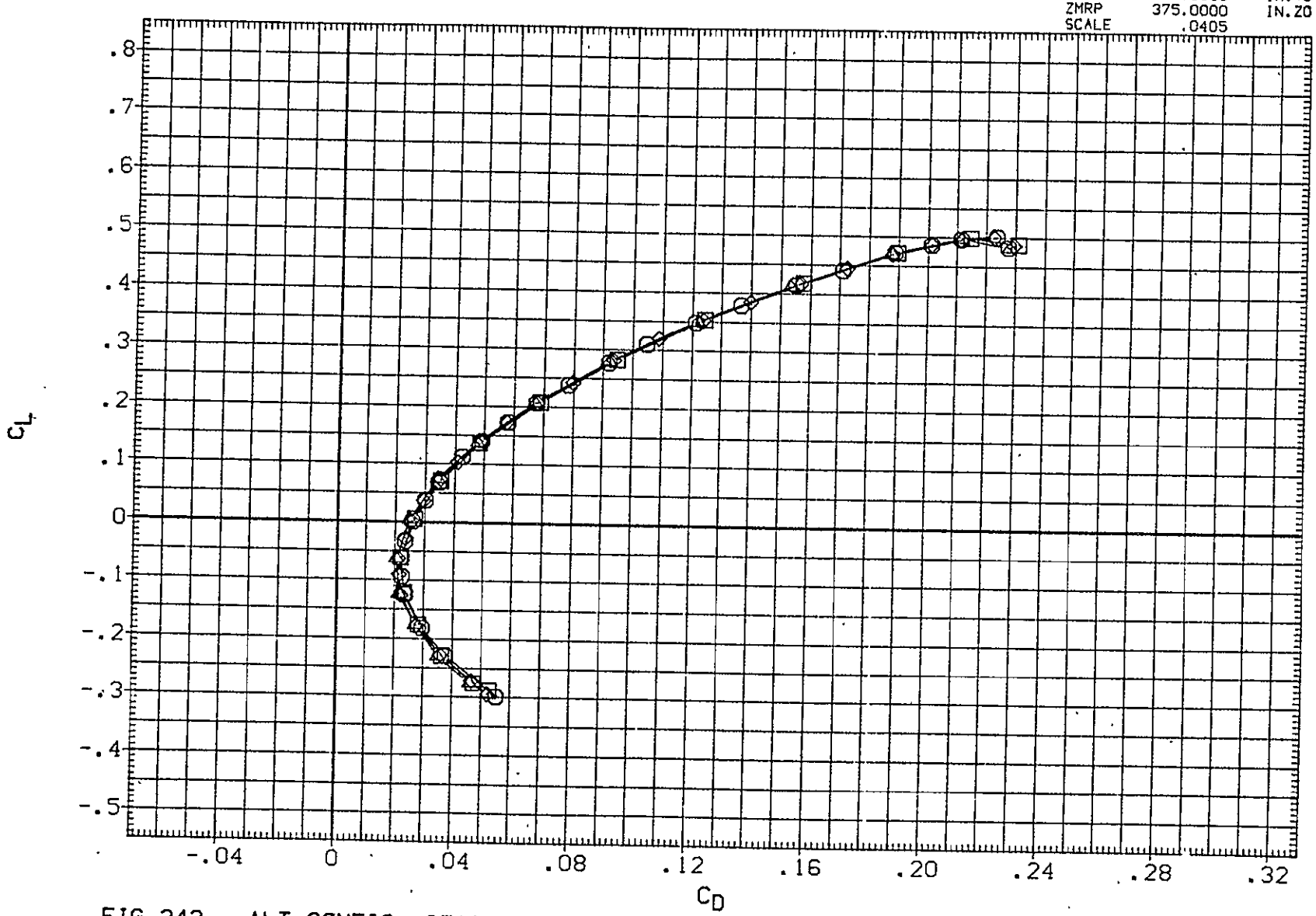

FIG 243 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

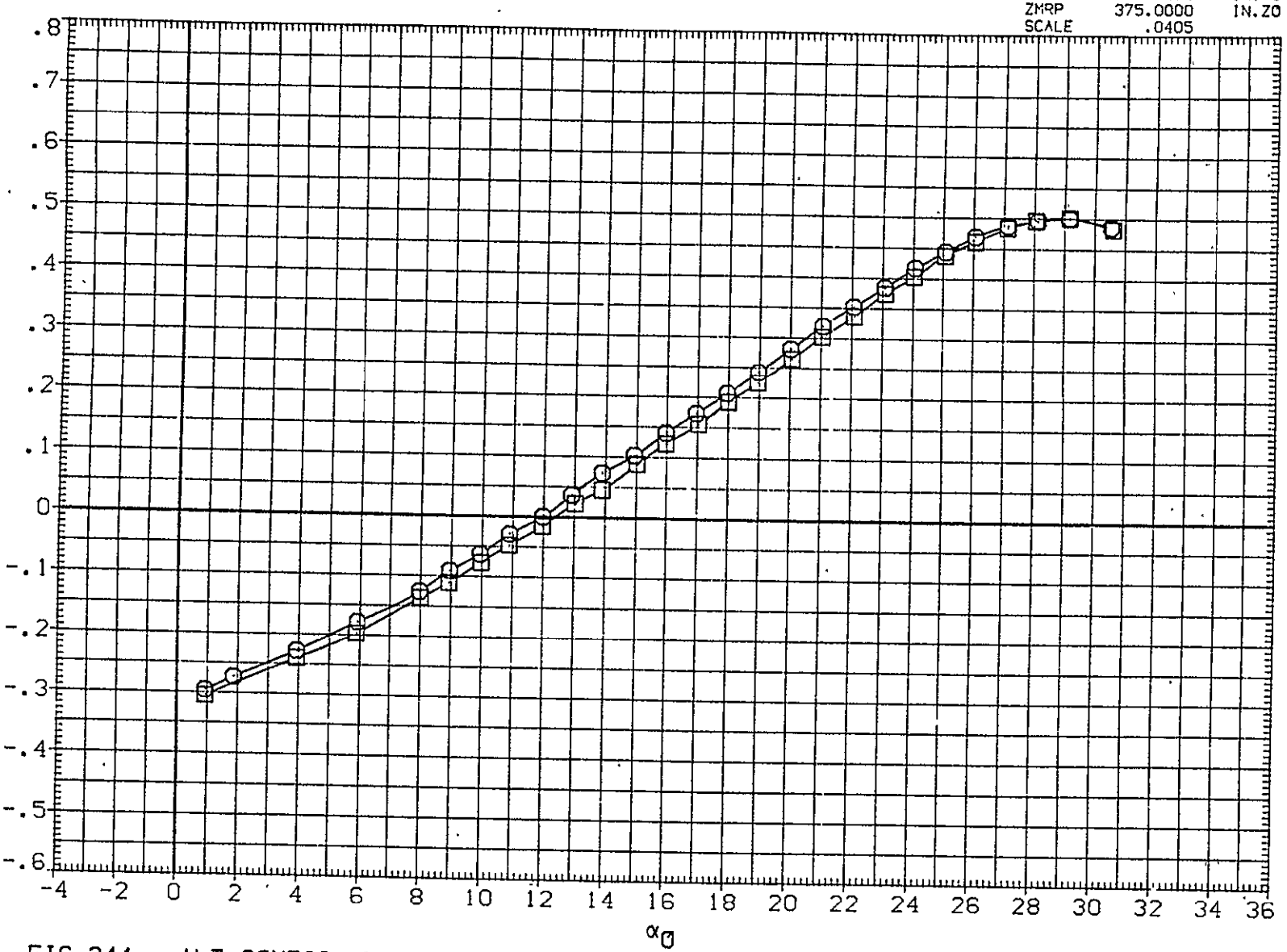

FIG. 244 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, I0RB=6,TC 0FF, ELEV=-5
0RBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDYFLAP	BFTA
(TJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1139.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

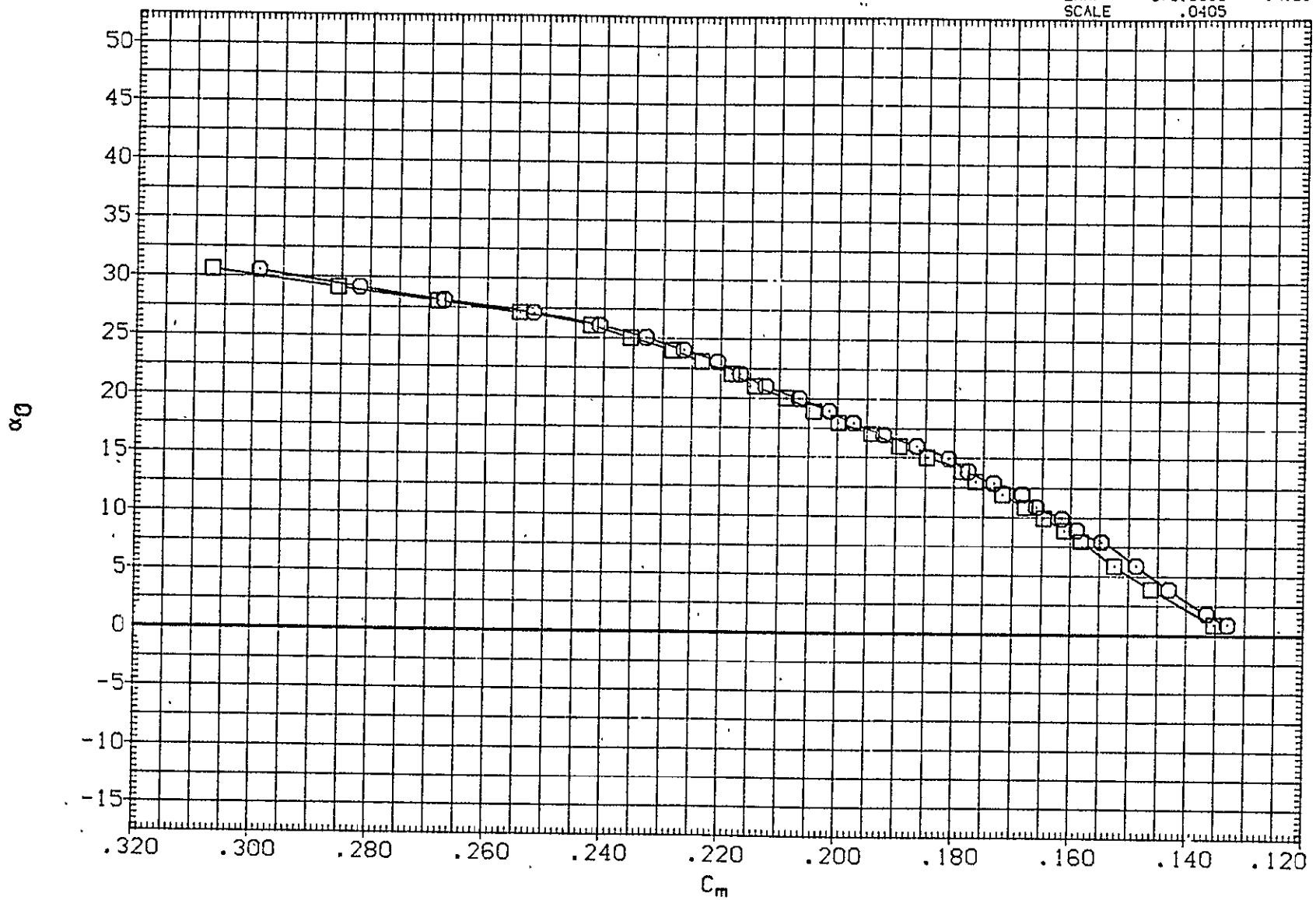

FIG 244 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

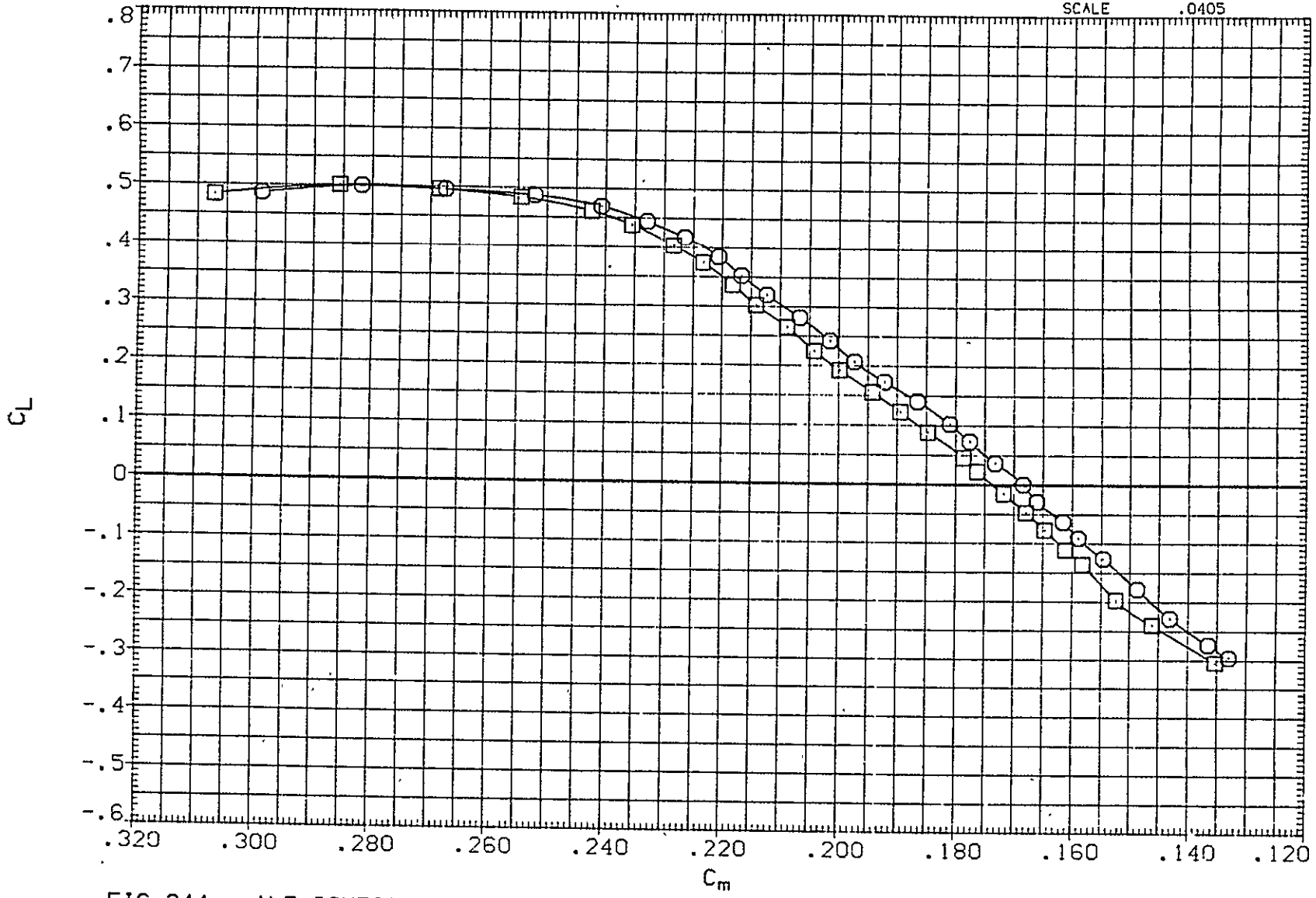

FIG 244 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF067)	○	(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402	.000	-2.000	.000	.000
(TJF071)	□	(CA-8) K3V9.1.2TS5H15.6.1F30 TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

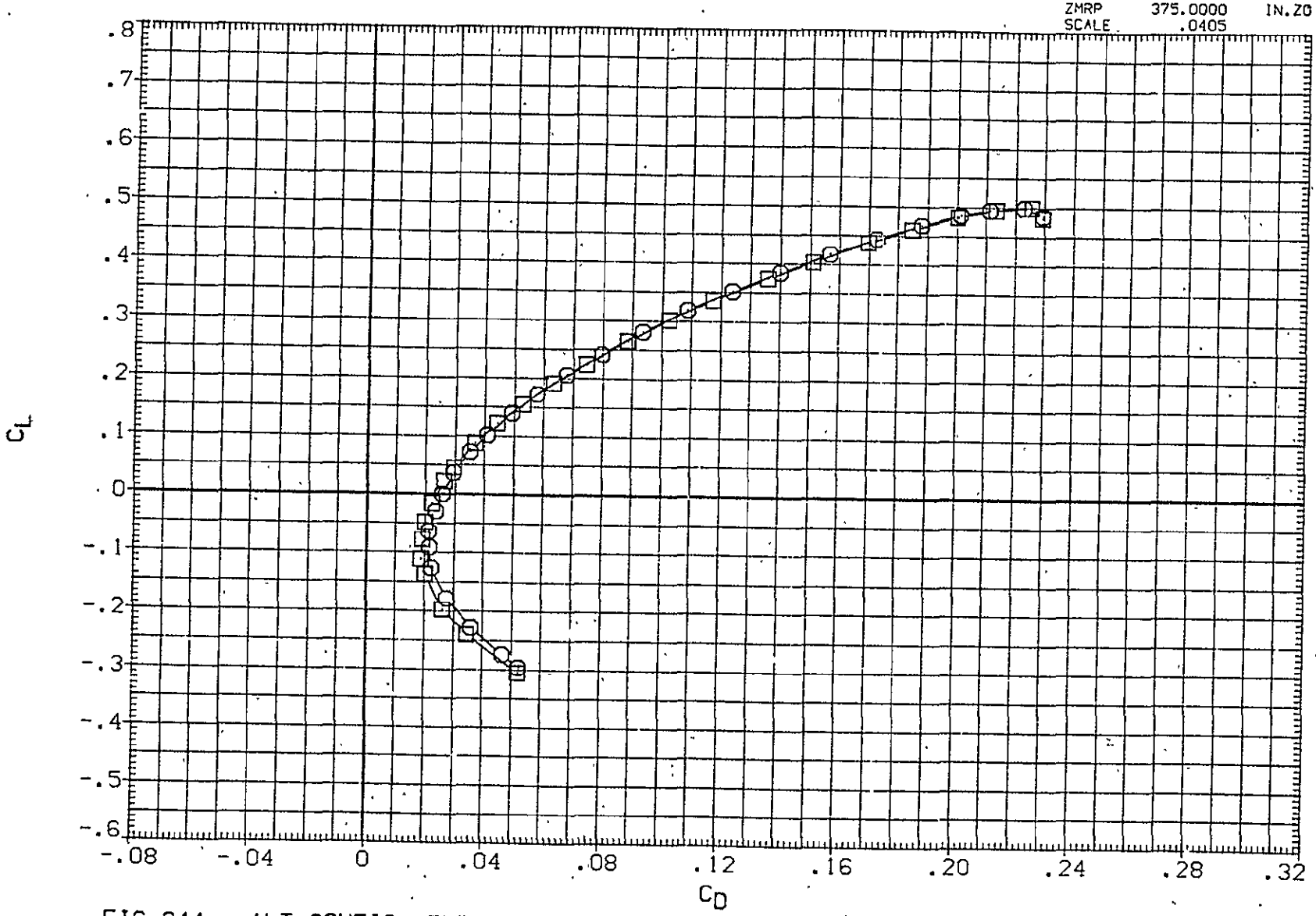

FIG 244 ALT CONFIG. EFFECT OF LANDING GEAR, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF066)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000
(TJF065)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000
(TJF067)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF064)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000
(TJF063)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

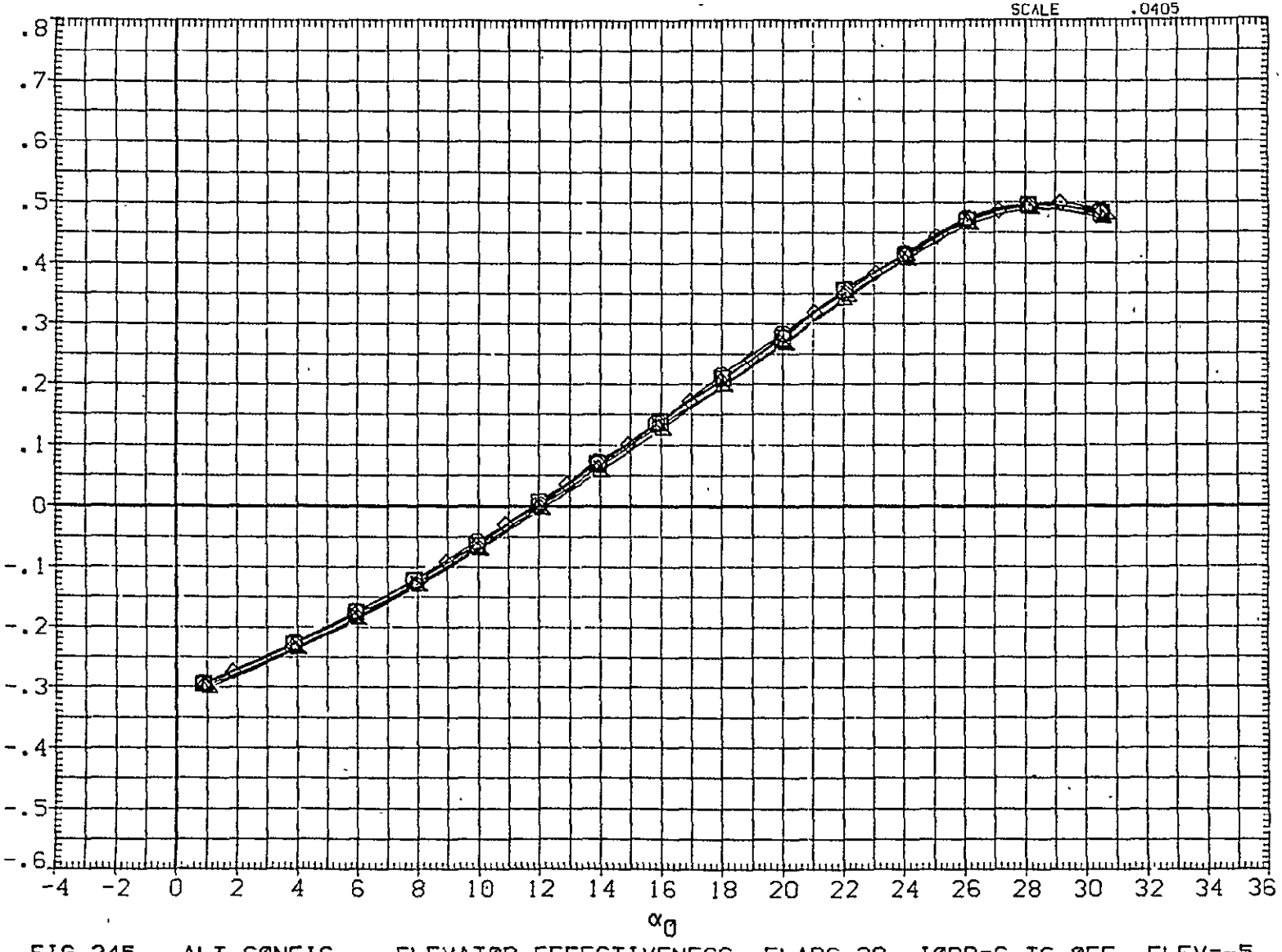

FIG 245 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJFC56)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	17.000	-2.000	.000	.000
(TJFC65)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	10.000	-2.000	.000	.000
(TJFC67)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJFC64)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-10.000	-2.000	.000	.000
(TJFC63)		(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

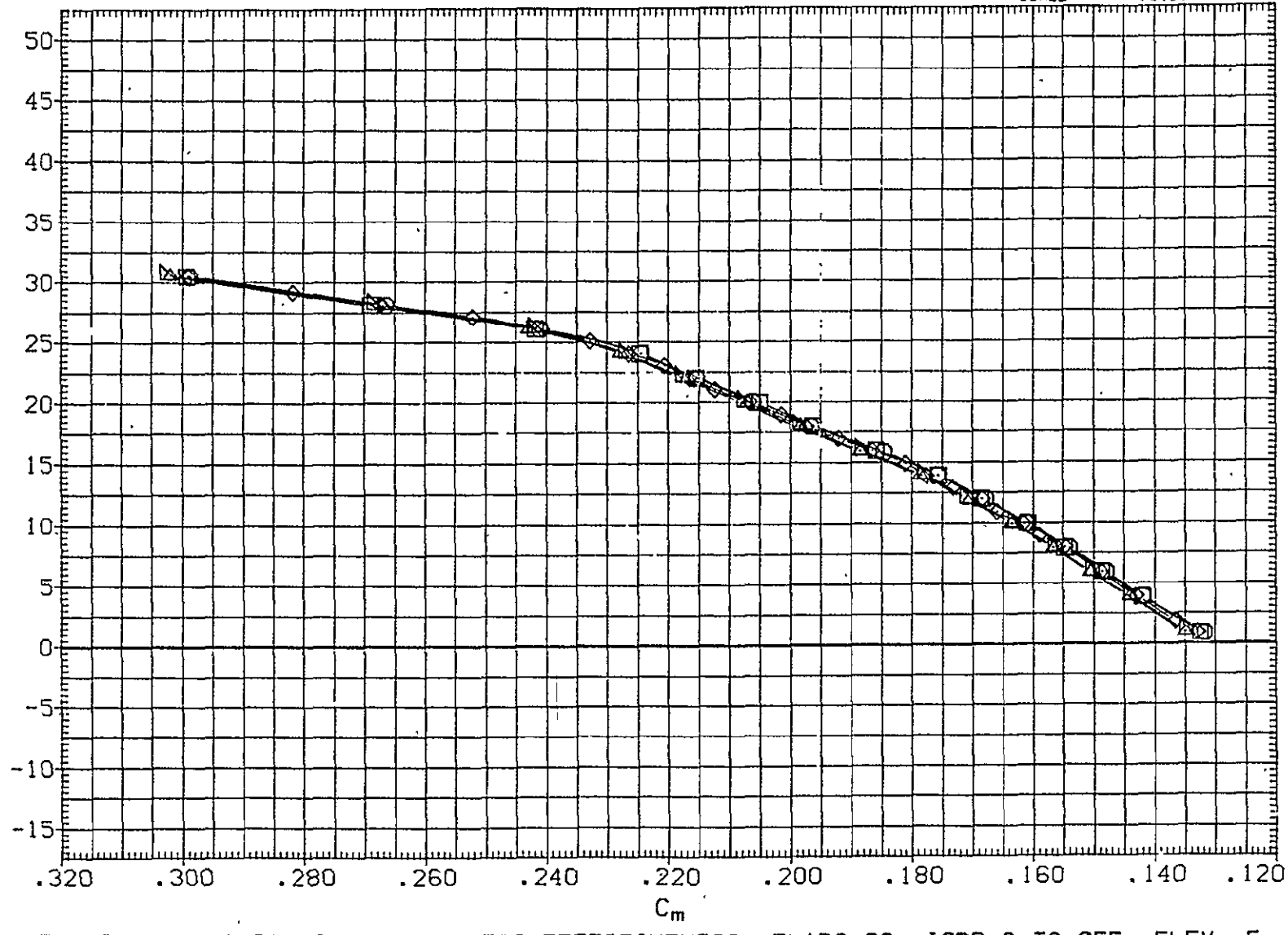

FIG 245 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BDFLAP	BETA
17.000	-2.000	.000	.000
10.000	-2.000	.000	.000
.000	-2.000	.000	.000
-10.000	-2.000	.000	.000
-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

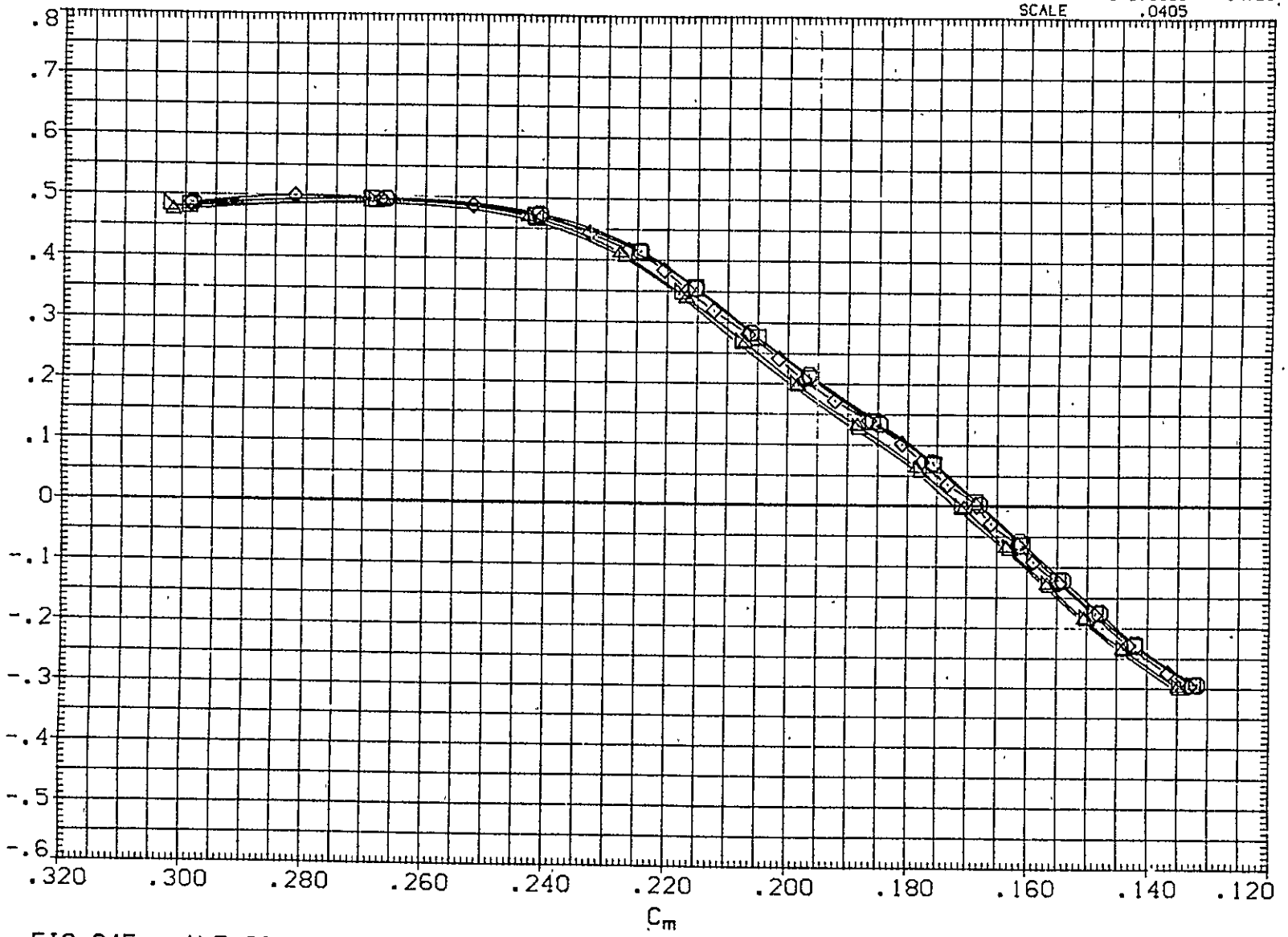

FIG 245 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A) MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF066)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF065)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF067)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF064)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402
(TJF063)	▽	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

ELEVTR	STAB	BDFLAP	BFTA
17.000	-2.000	.000	.000
10.000	-2.000	.000	.000
.000	-2.000	.000	.000
-10.000	-2.000	.000	.000
-23.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405.	

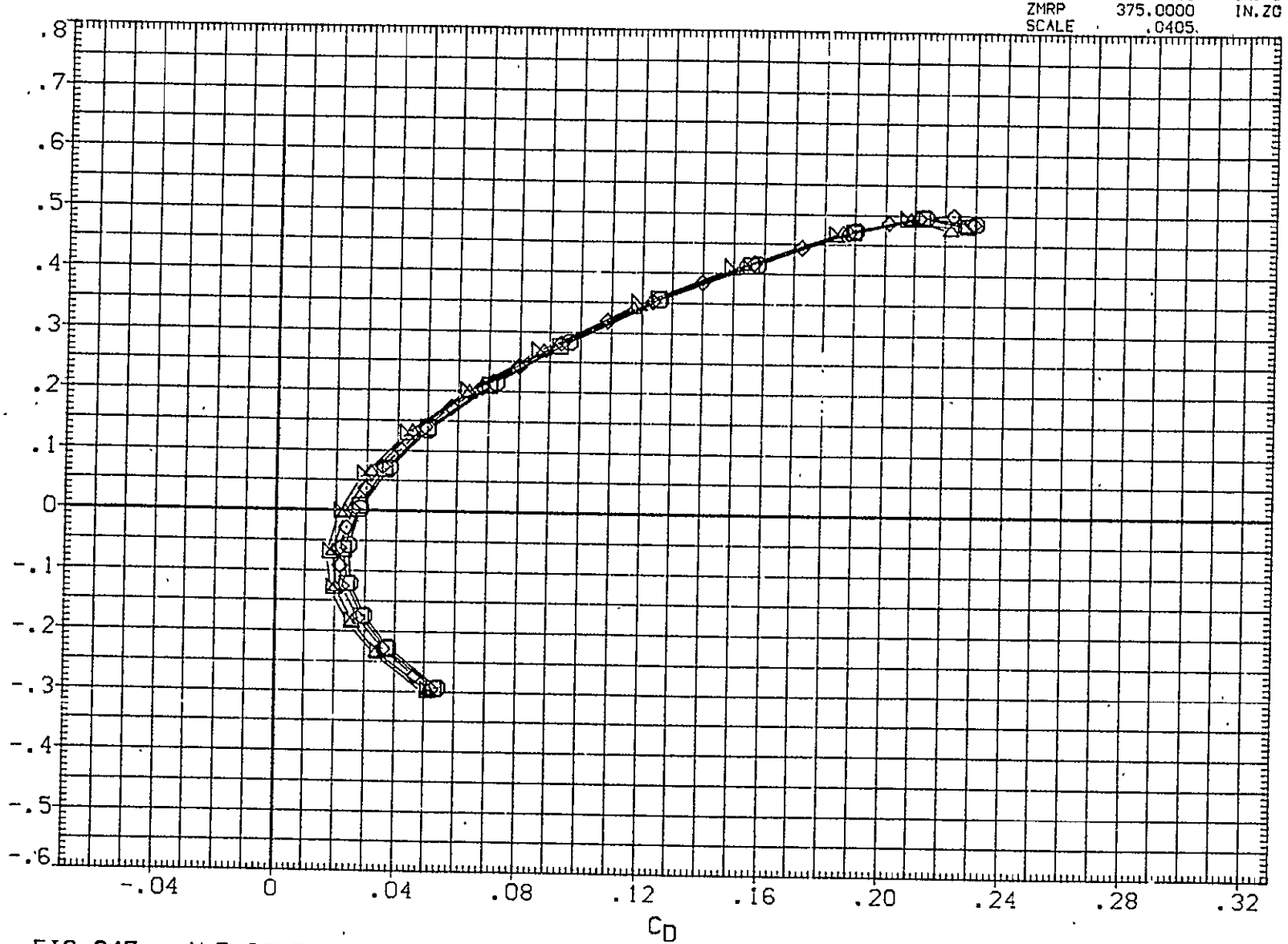

FIG 245 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000
(TJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

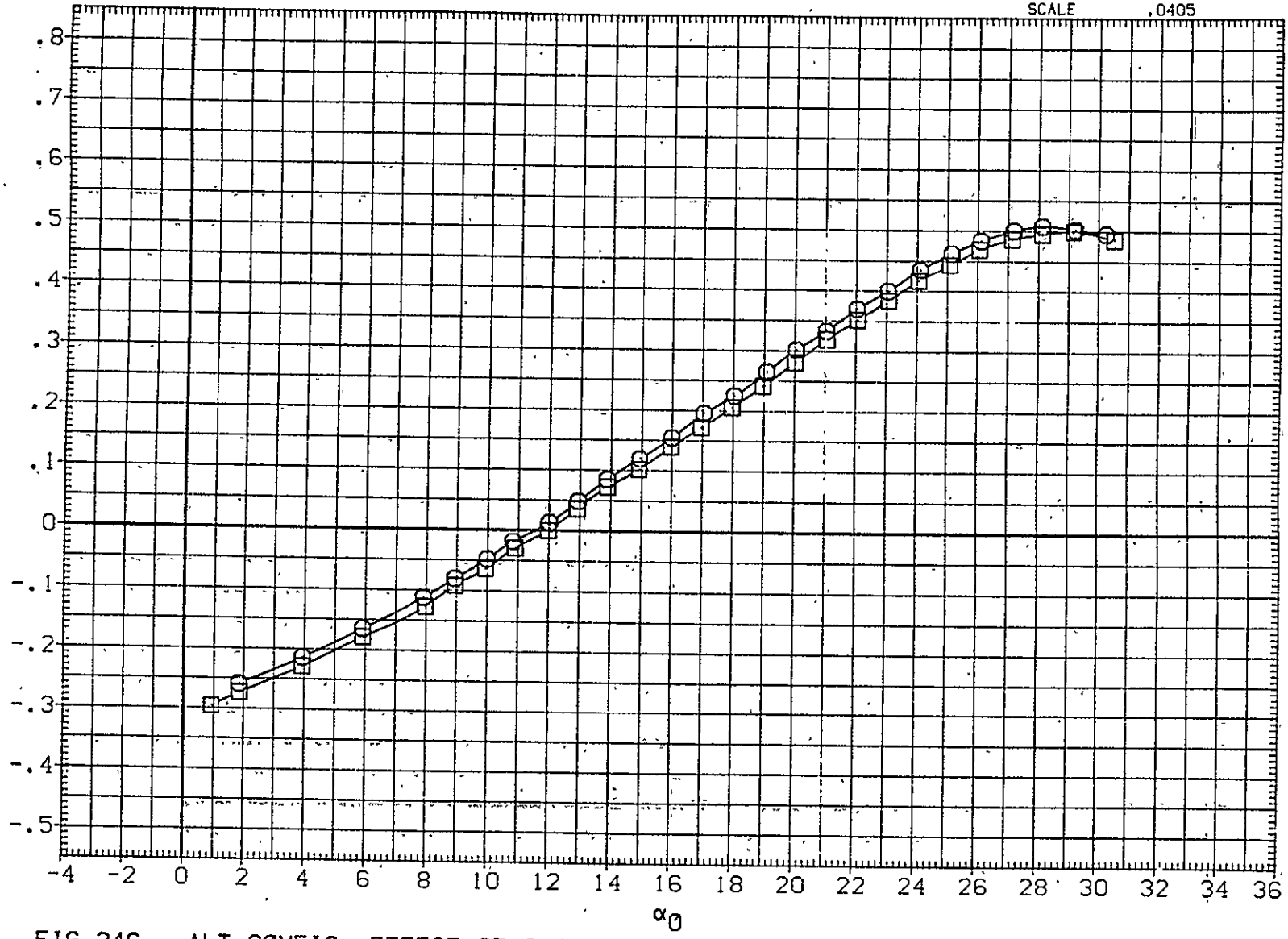

FIG 246 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(AJMACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000
(TJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XB
YMRP	.0000	IN.YB
ZMRP	375.0000	IN.ZB
SCALE	.0405	

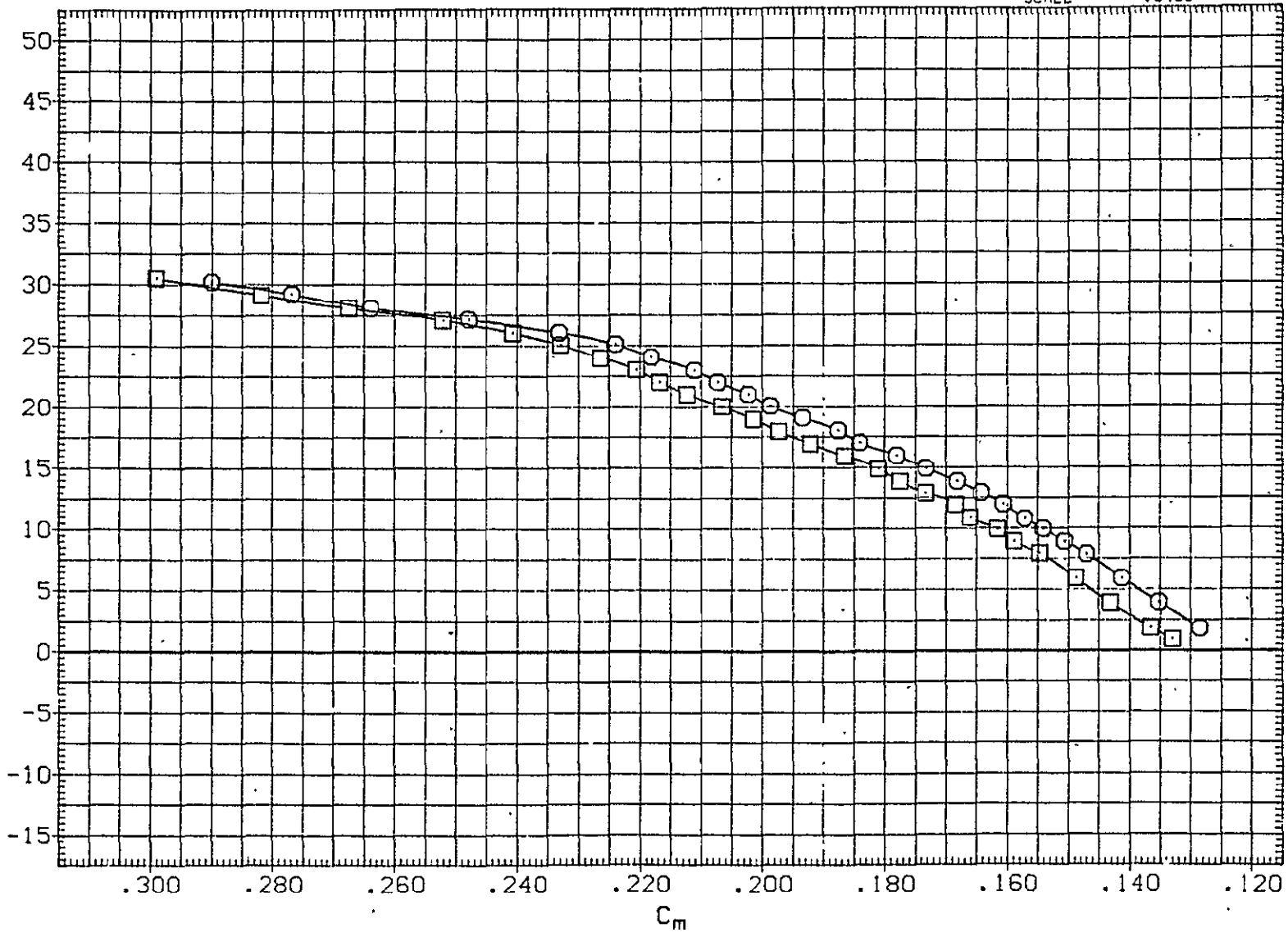

FIG 246 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	2.000	.000	.000
(TJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

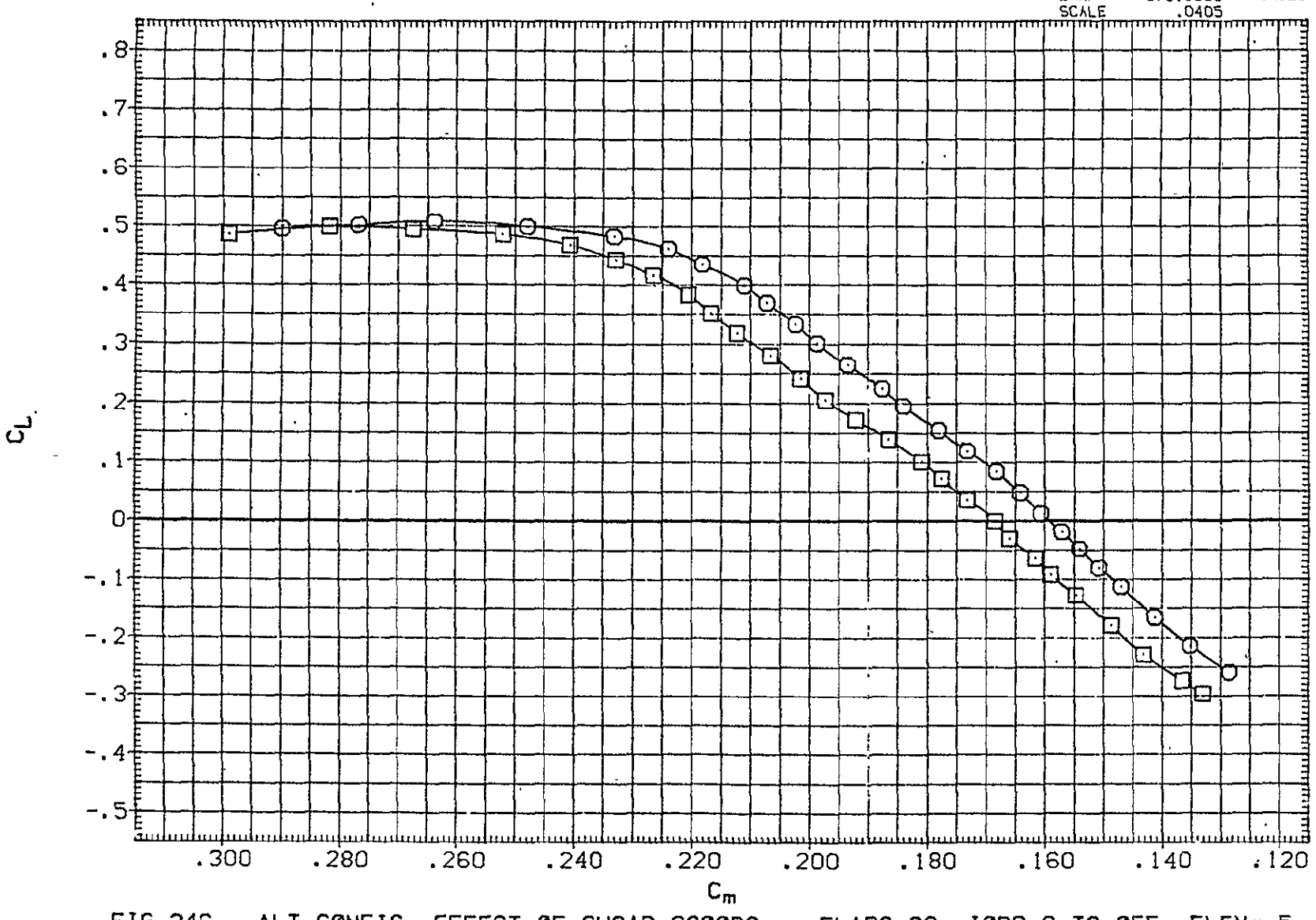

FIG 246 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30, IORB=6,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF070)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS	.000	-2.000	.000	.000
(TJF067)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

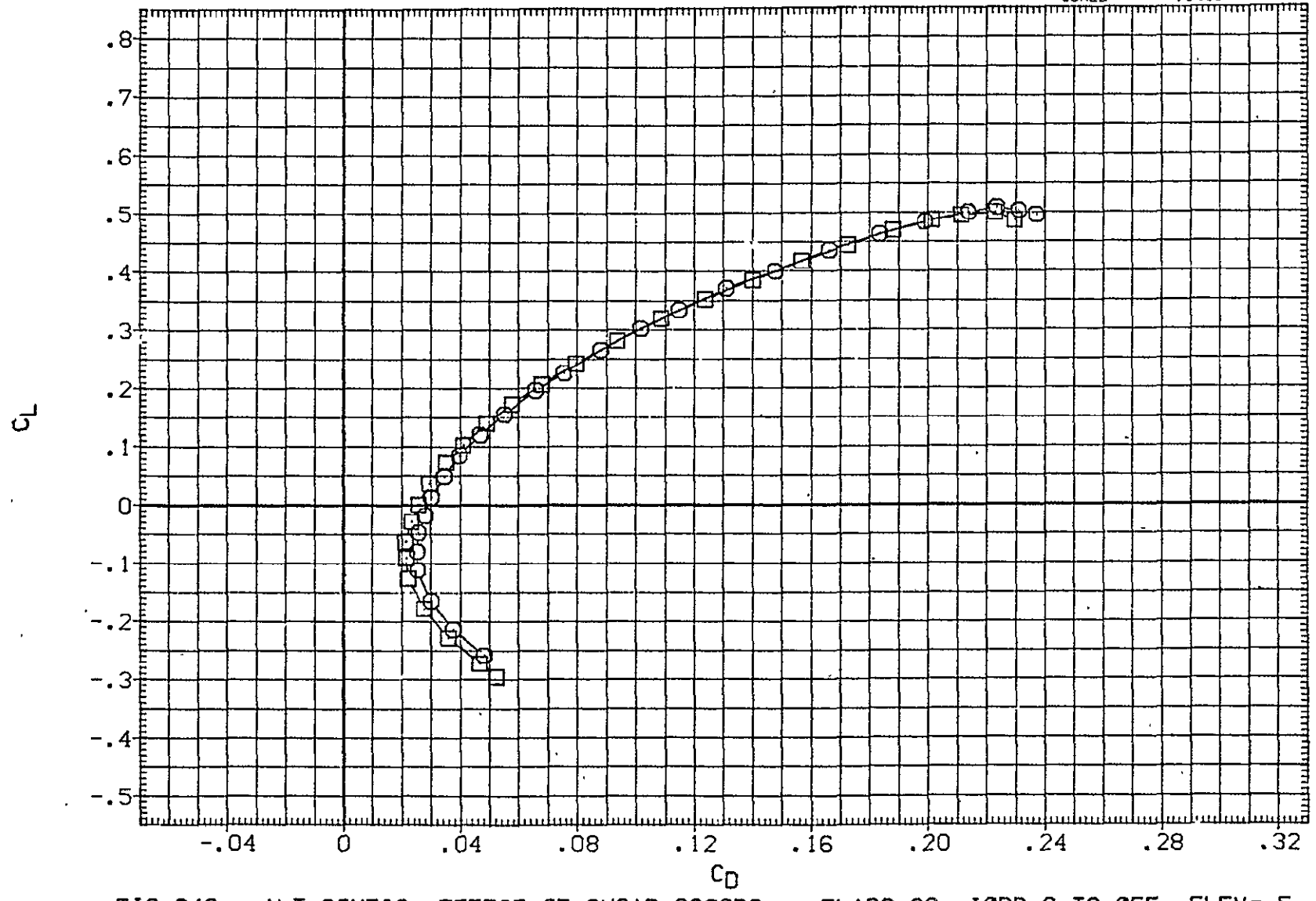

FIG 246 ALT CONFIG. EFFECT OF SUGAR SCOOPS FLAPS 30. I0RB=6.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	-11.700	.000
(TJF089)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000
(TJF091)	⋈	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF090)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

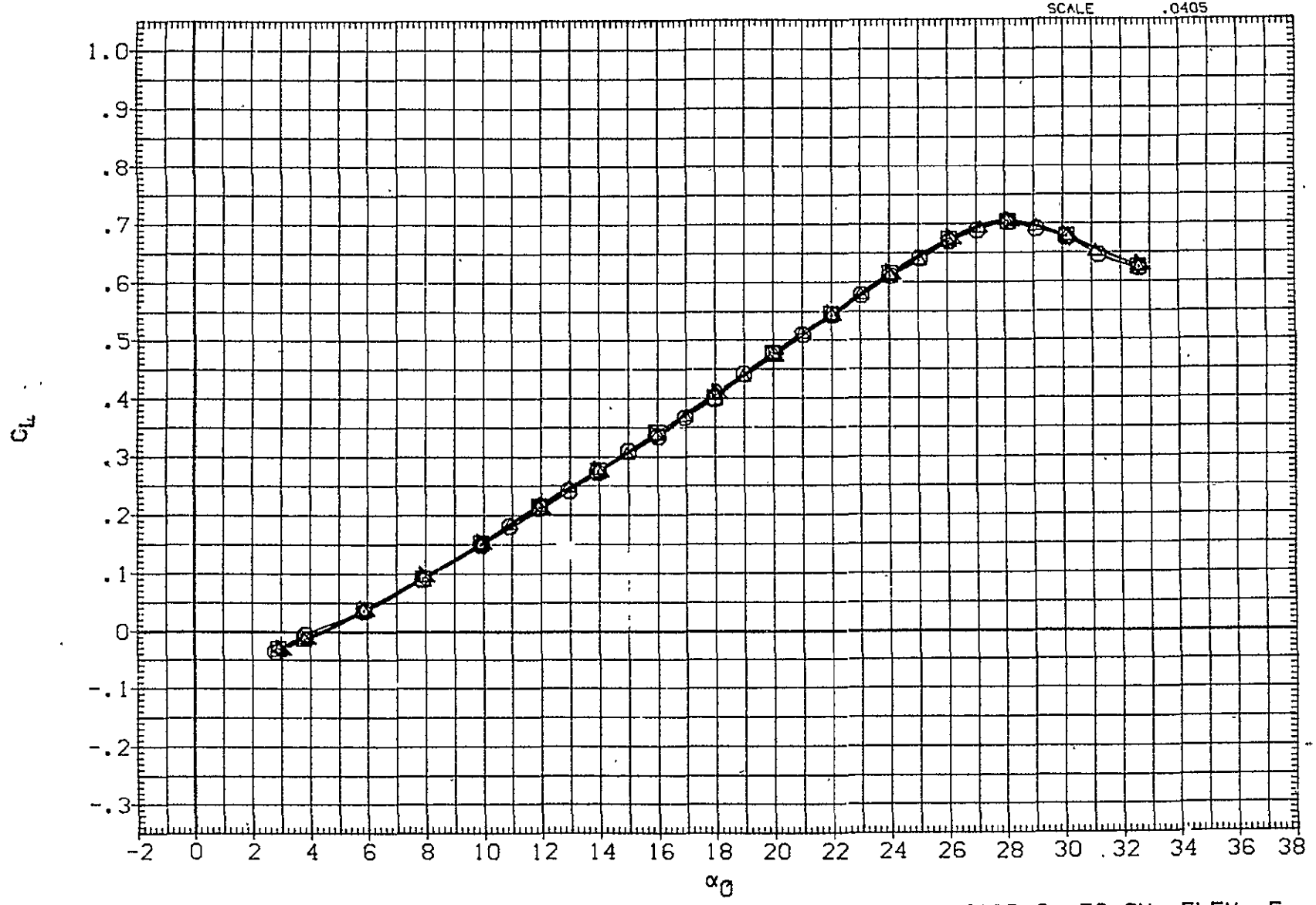

FIG 247 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 I0RB=8, TC 0N, ELEV=-5
0RBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	-11.700	.000
(TJF089)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000
(TJF091)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

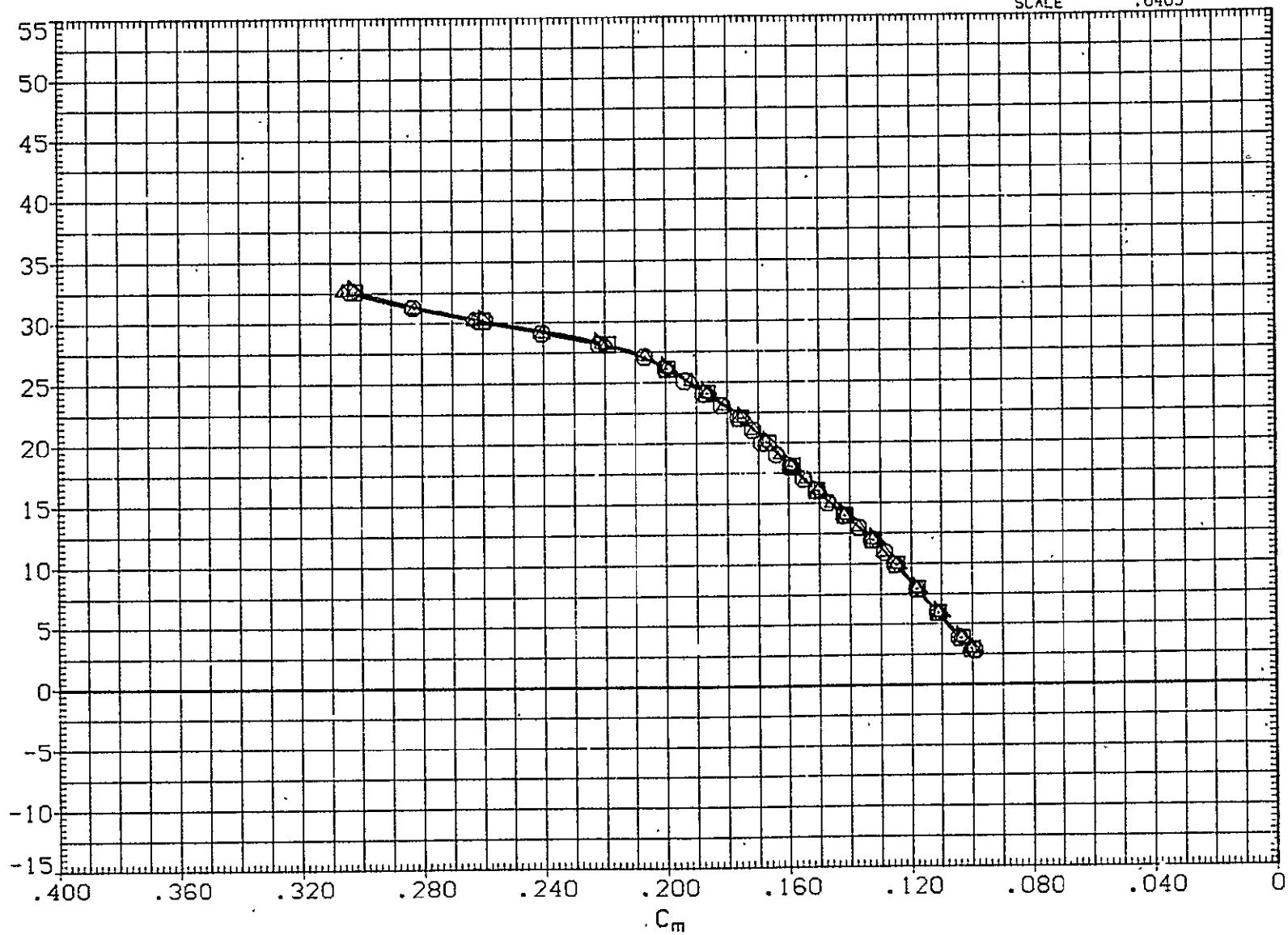

FIG 247 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF087)		(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF088)		(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	-11.700	.000
(TJF089)		(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000
(TJF091)		(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF090)		(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

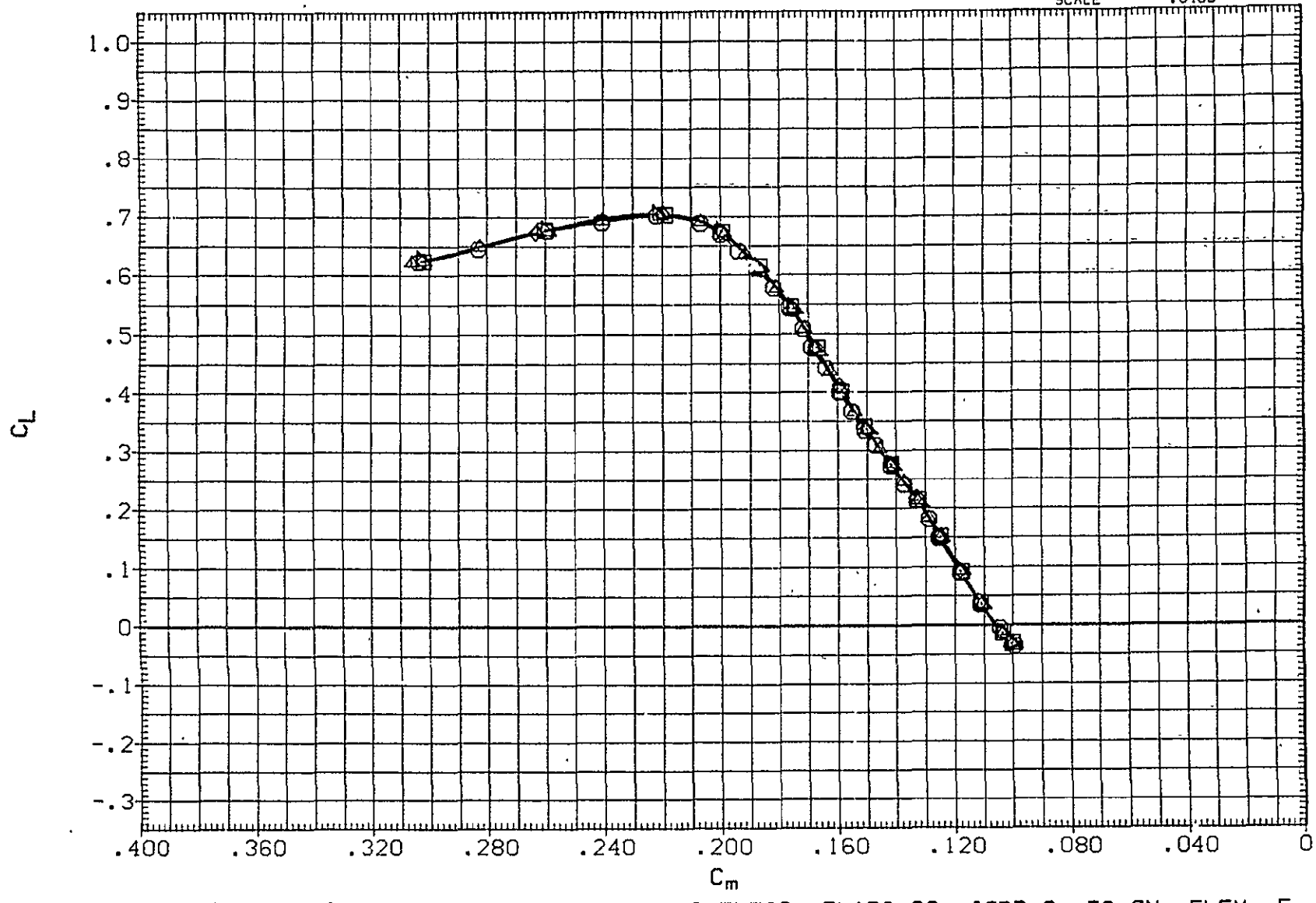

FIG 247 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF087)	○	(CA-8) K3V9.1.2TS5 F20TS401			-11.700	.000
(TJF088)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	3.000	-11.700	.000
(TJF089)	◇	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	.000	-11.700	.000
(TJF091)	△	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF090)	▽	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

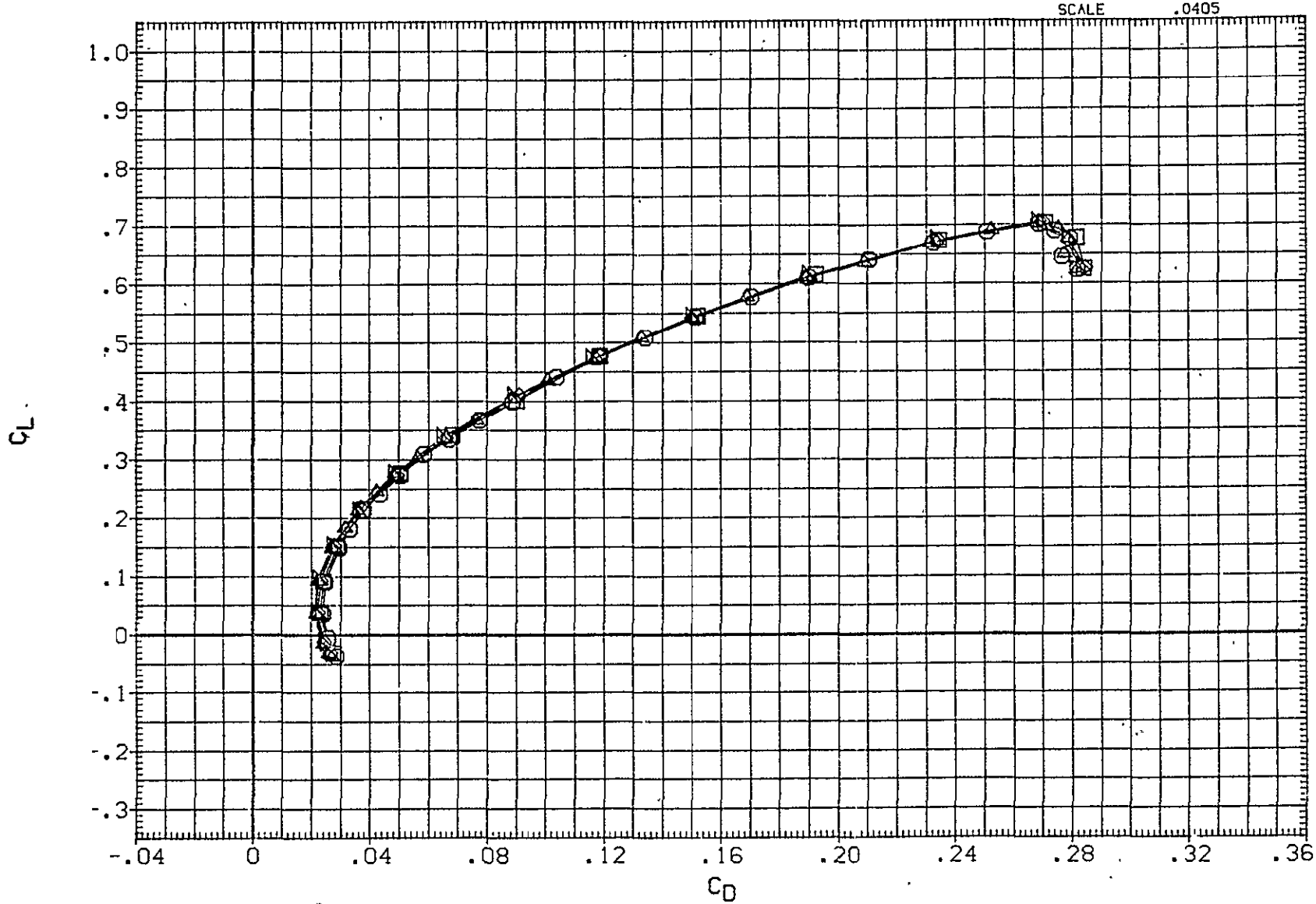

FIG 247 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 20 IORB=8. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

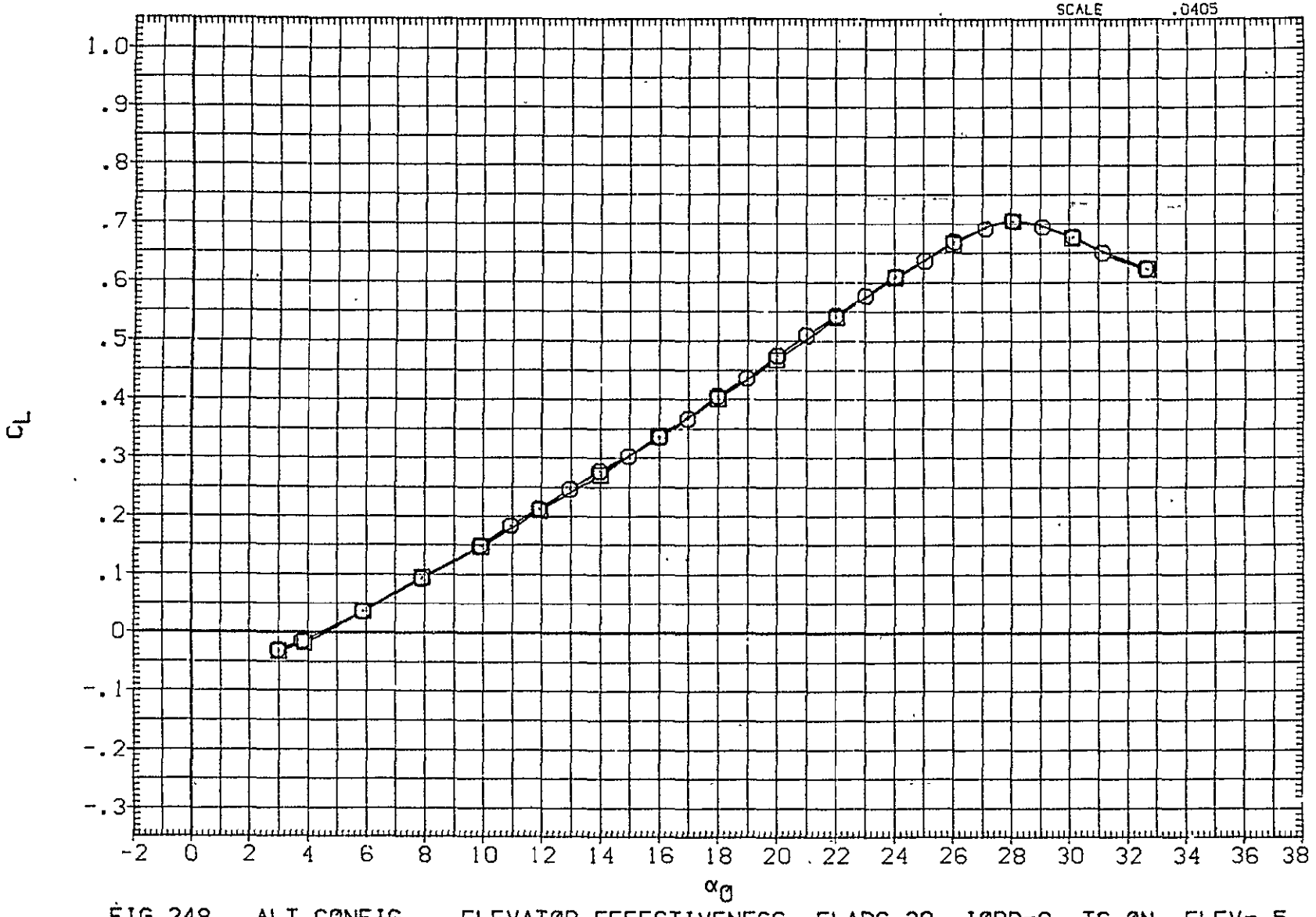

FIG 248 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

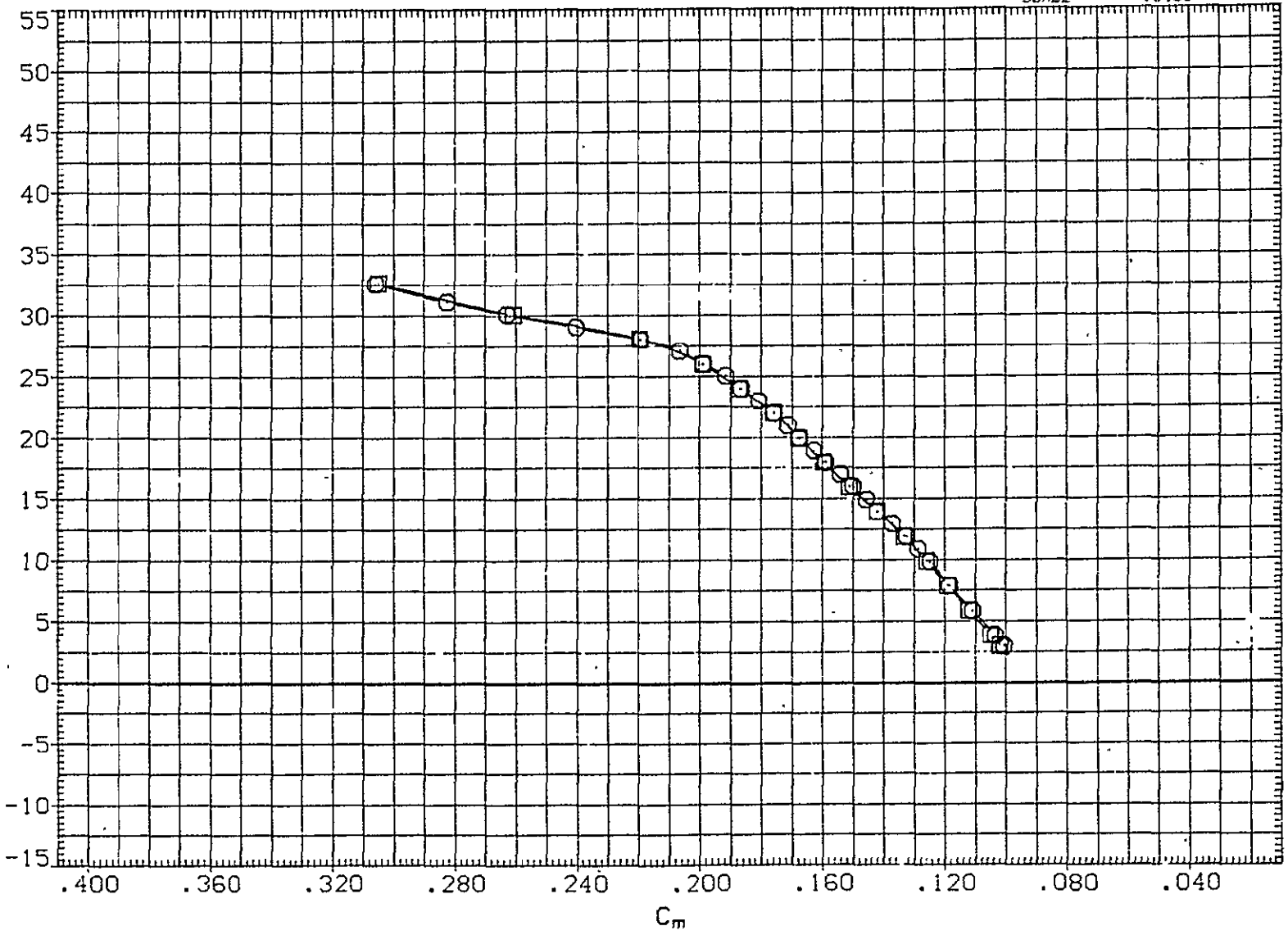

FIG 248 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

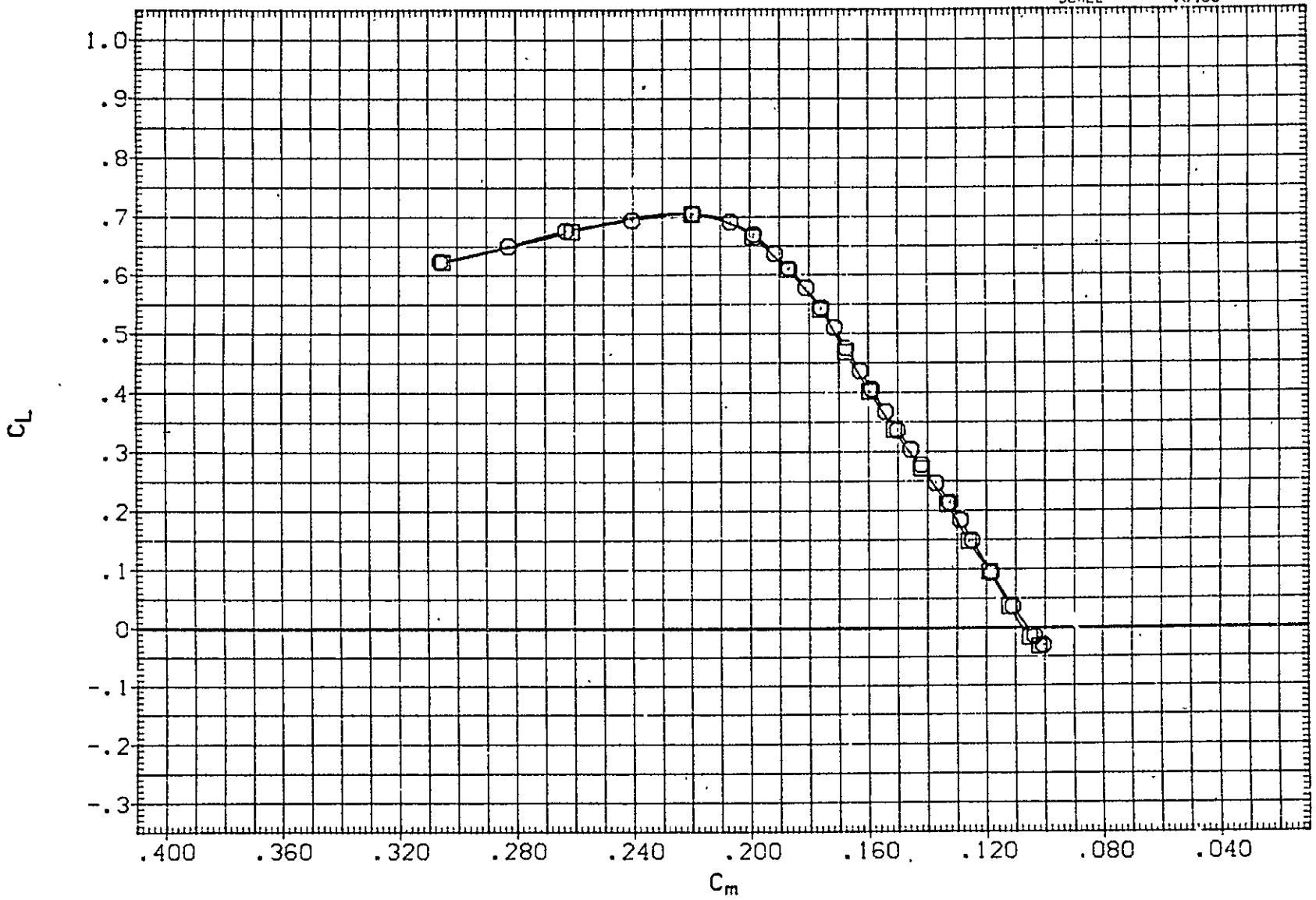

FIG 248 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF091)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	-11.700	.000
(TJF092)	□	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

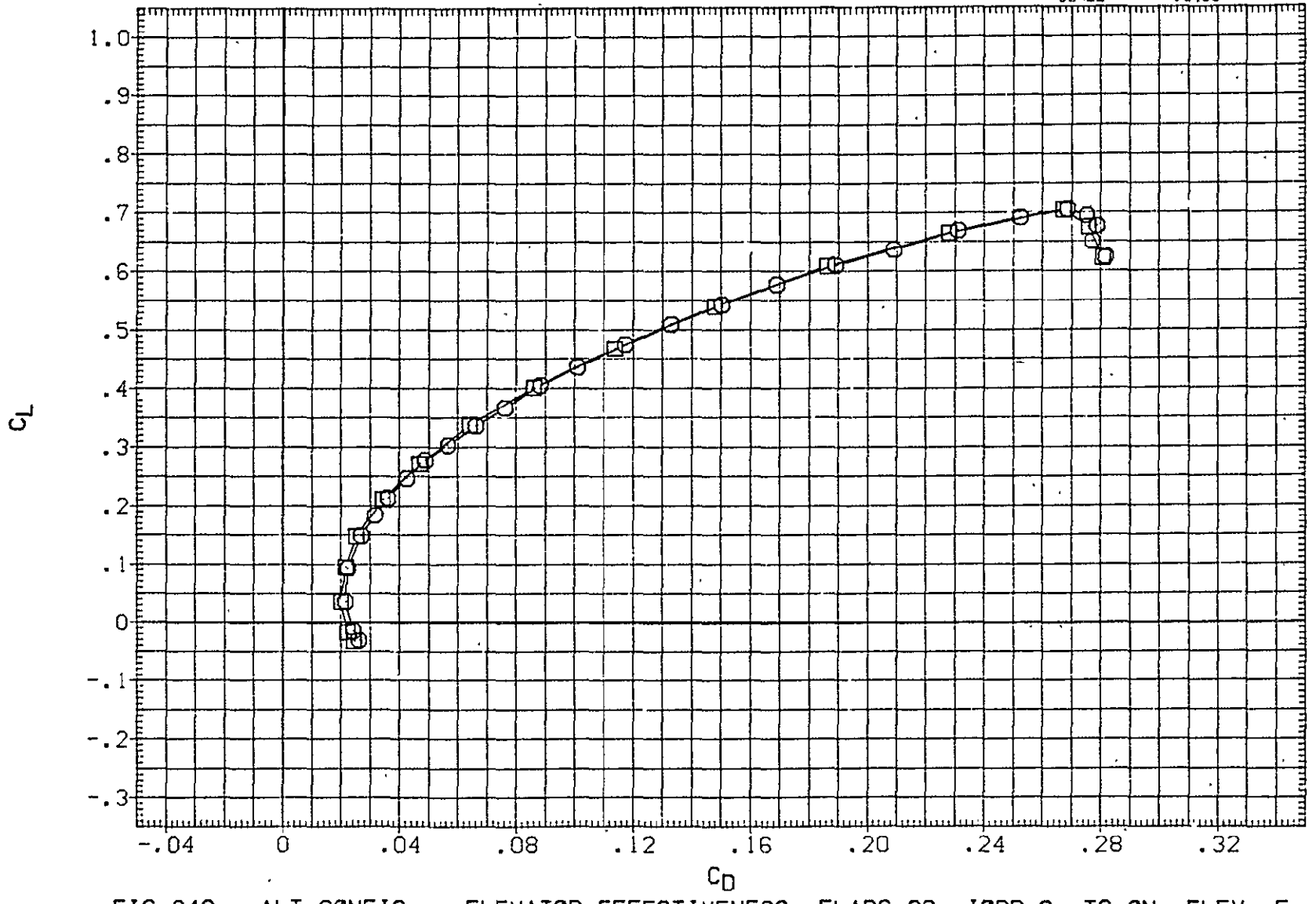

FIG 248 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 20 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

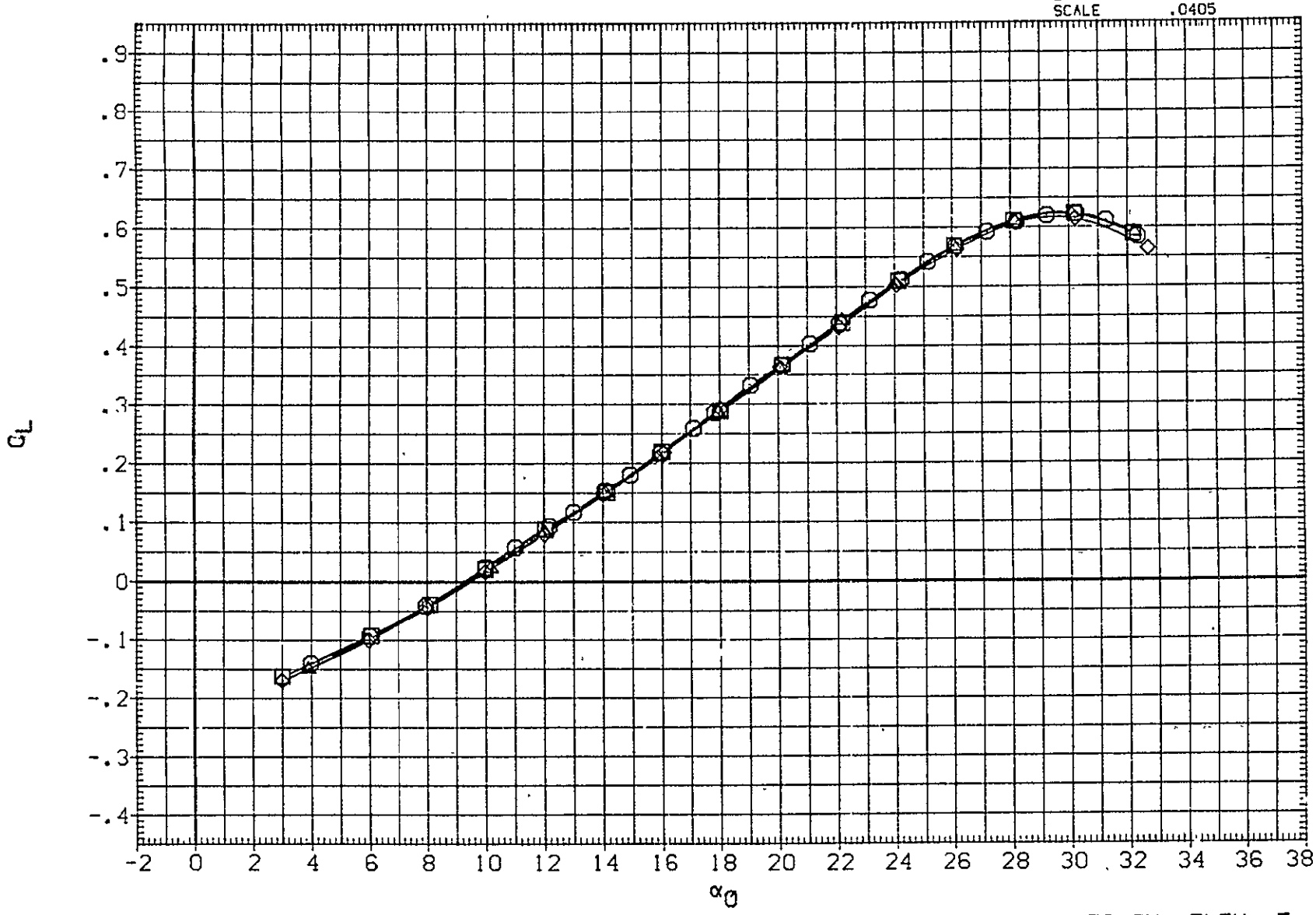

FIG 249 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF059)	□	(CA-8) K3V9.1.2TS5H15.6.F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF058)	△	(CA-8) K3V9.1.2TS5H15.6.F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XØ
YMRP	.0000	IN.YØ
ZMRP	375.0000	IN.ZØ
SCALE	.0405	

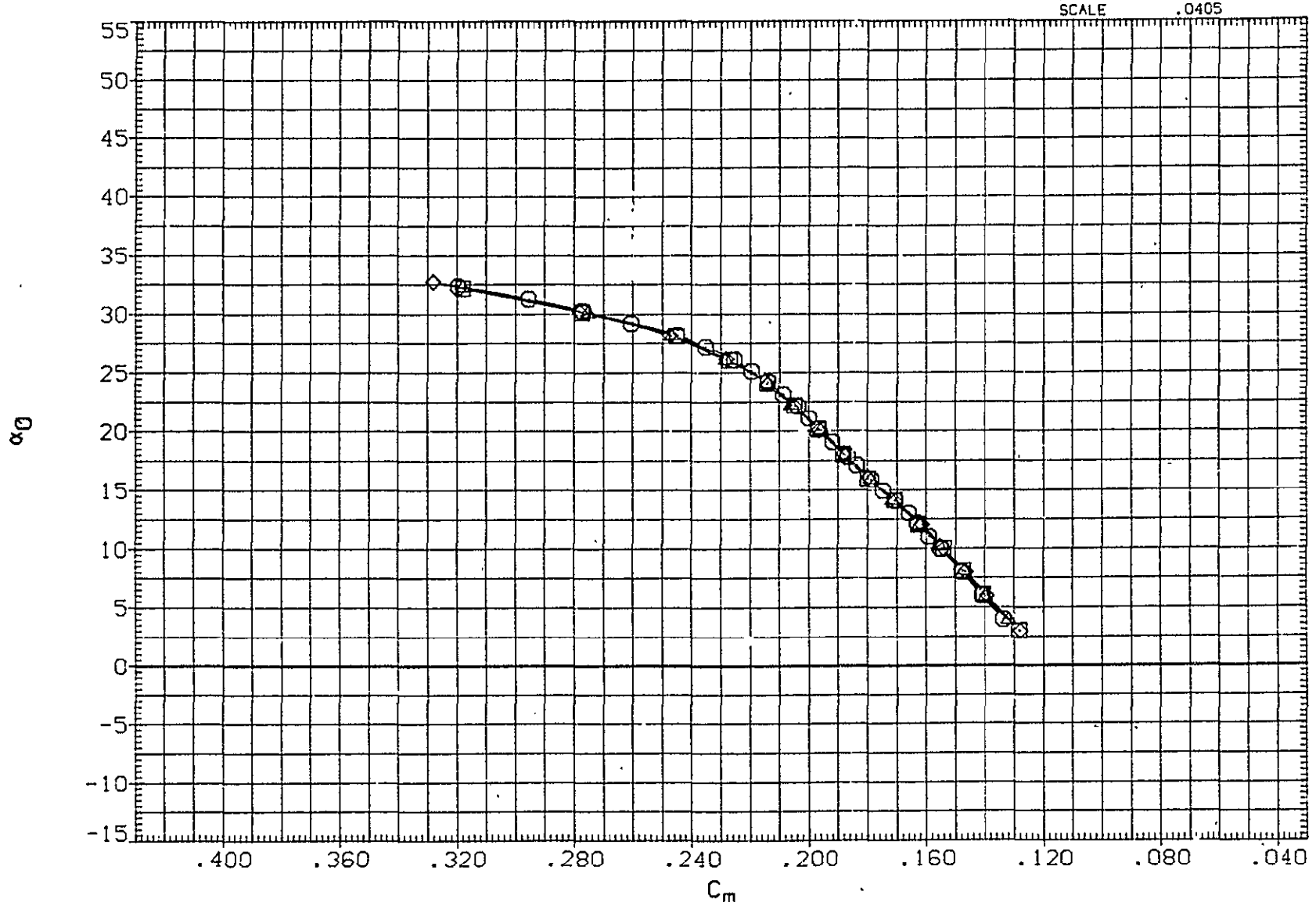

FIG 249 ALT CØNFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IØRB=8, TC ØN, ELEV=-5
ØRBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

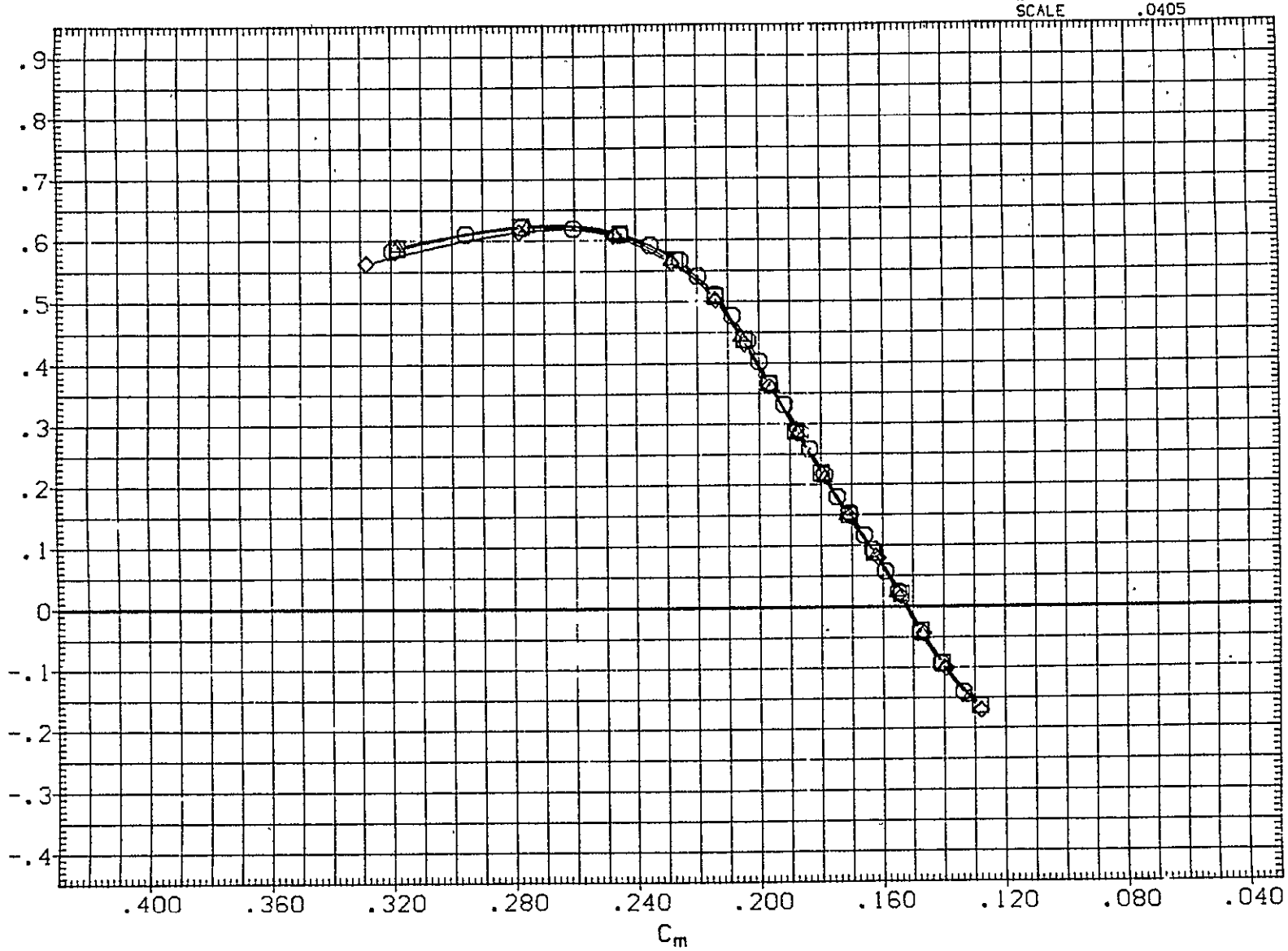

FIG 249 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF057)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS401				.000
(TJF059)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	.000	-11.700	.000
(TJF060)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF058)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-4.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XØ
YMRP	.0000	IN.YØ
ZMRP	375.0000	IN.ZØ
SCALE	.0405	

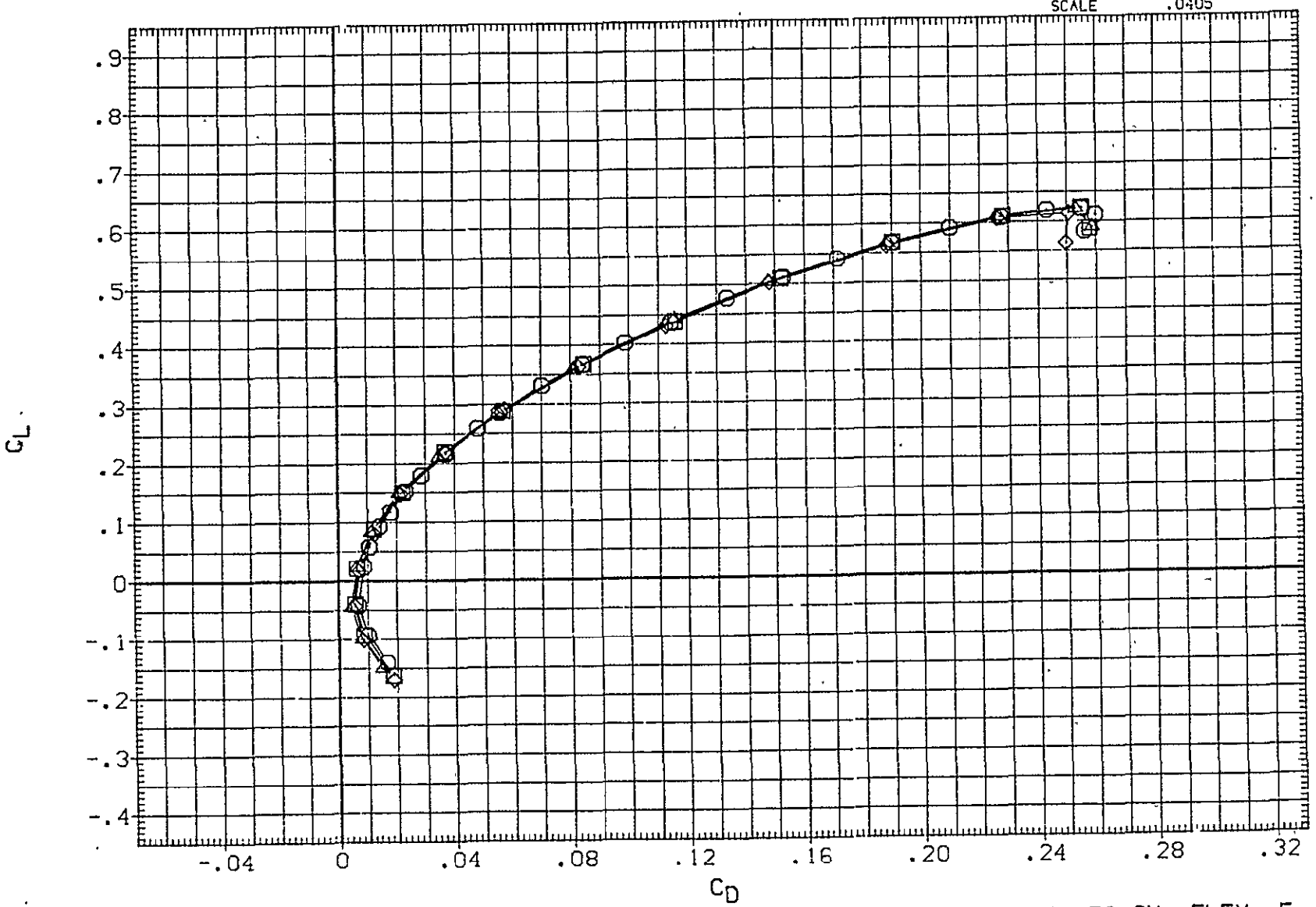

FIG 249 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IØRB=8, TC ØN, ELEV=-5
ØRBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

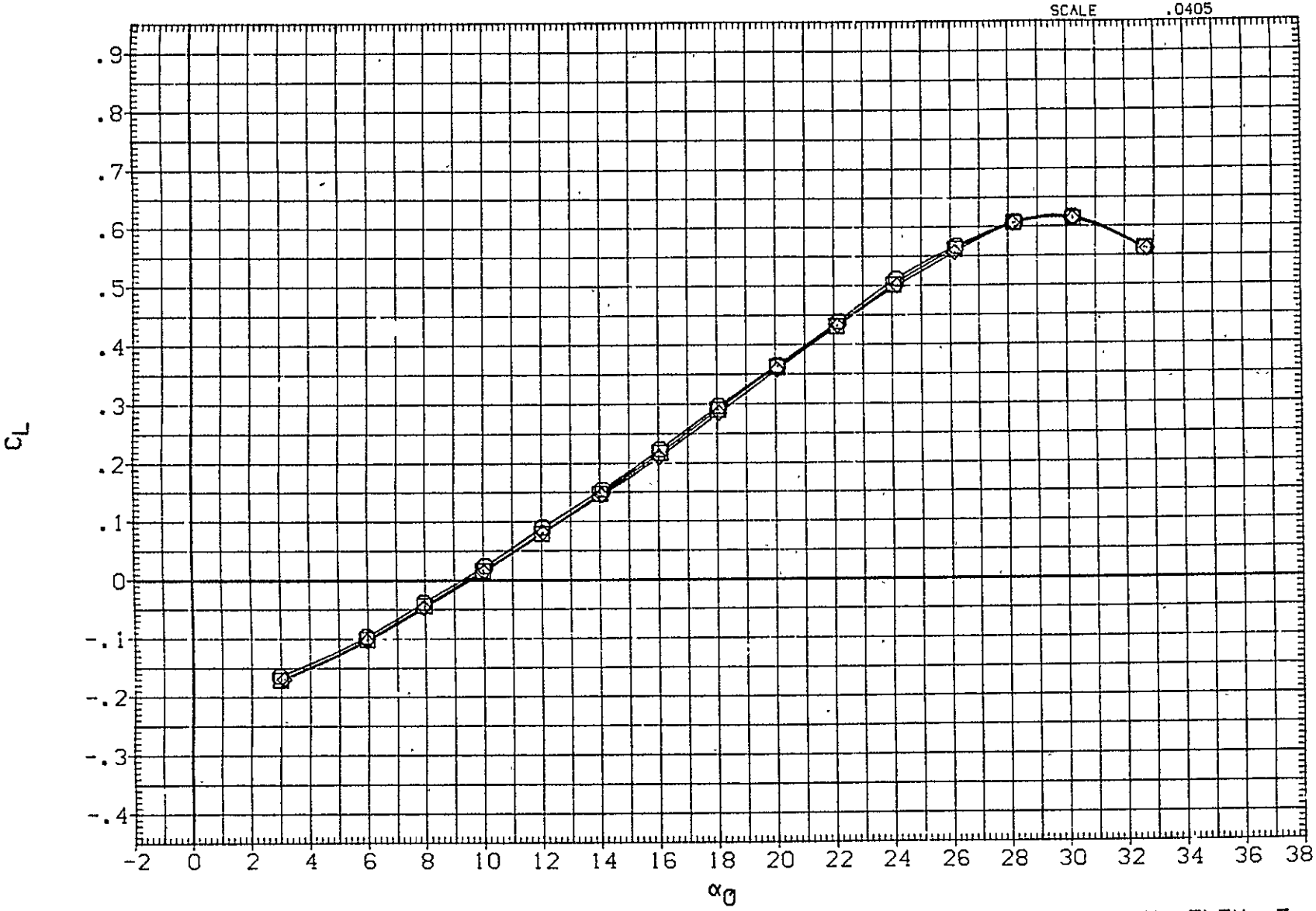

FIG 250 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJFC61)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJFC60)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJFC62)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

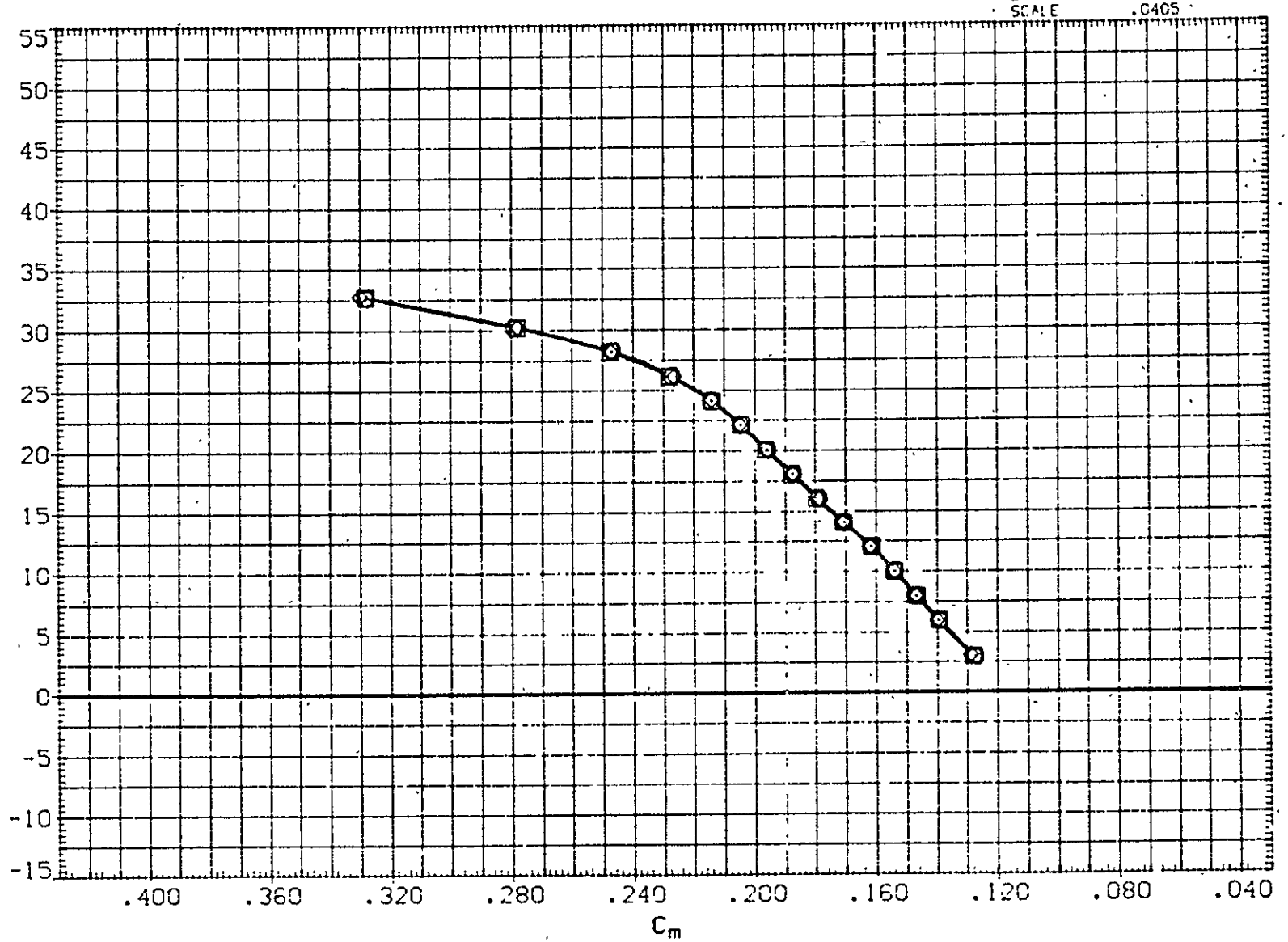

FIG 250 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30 IORB=8. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	17.000	-2.000	-11.700	.000
(TJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	.000	-2.000	-11.700	.000
(TJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401	-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

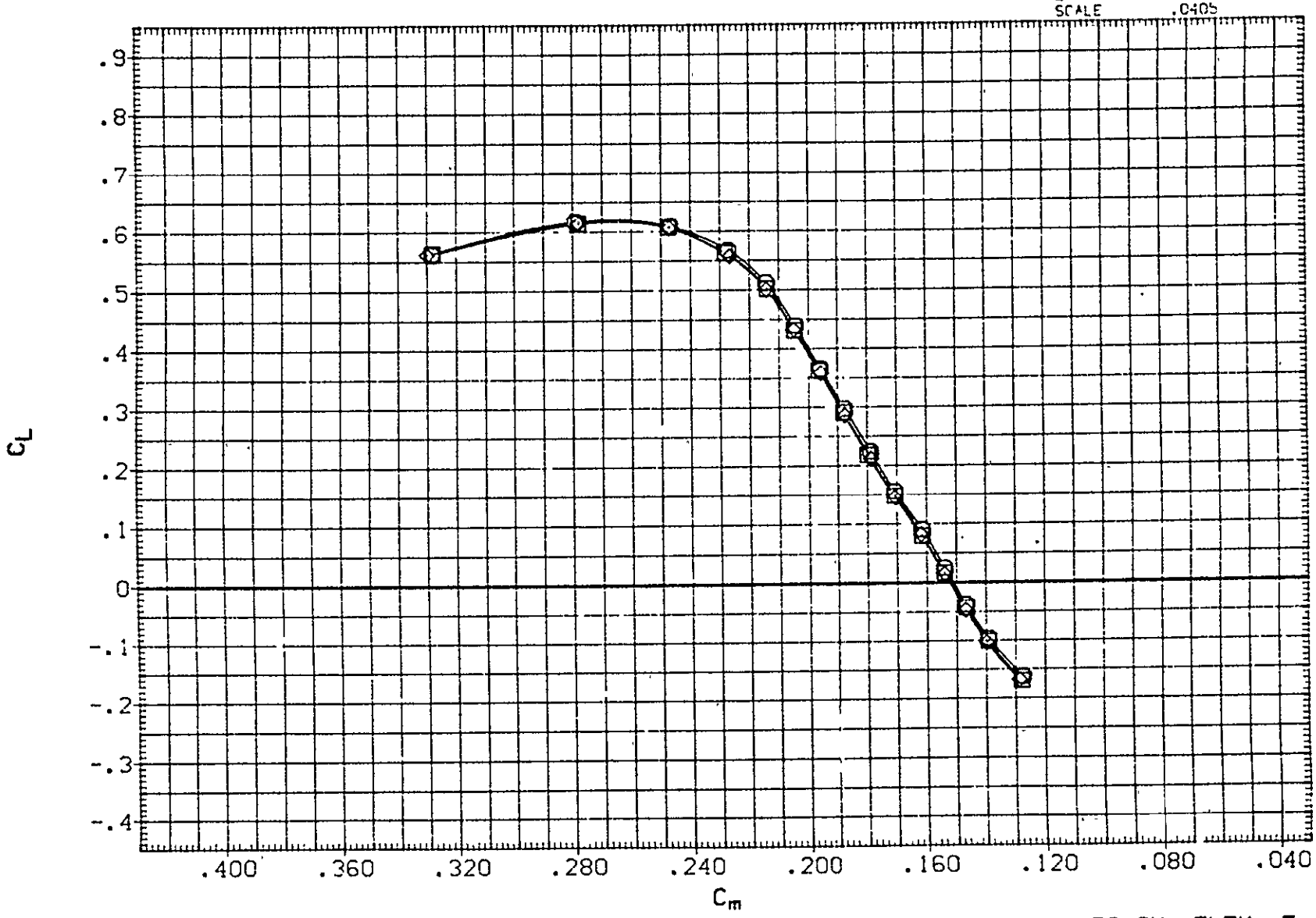

FIG 250 ALT CONFIG. ELEVATOR EFFECTIVENESS. FLAPS 30 IORB=8. TC ON. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF061)	○	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF060)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401
(TJF062)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

ELEVTR	STAB	BDFLAP	BFTA
17.000	-2.000	-11.700	.000
.000	-2.000	-11.700	.000
-23.000	-2.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

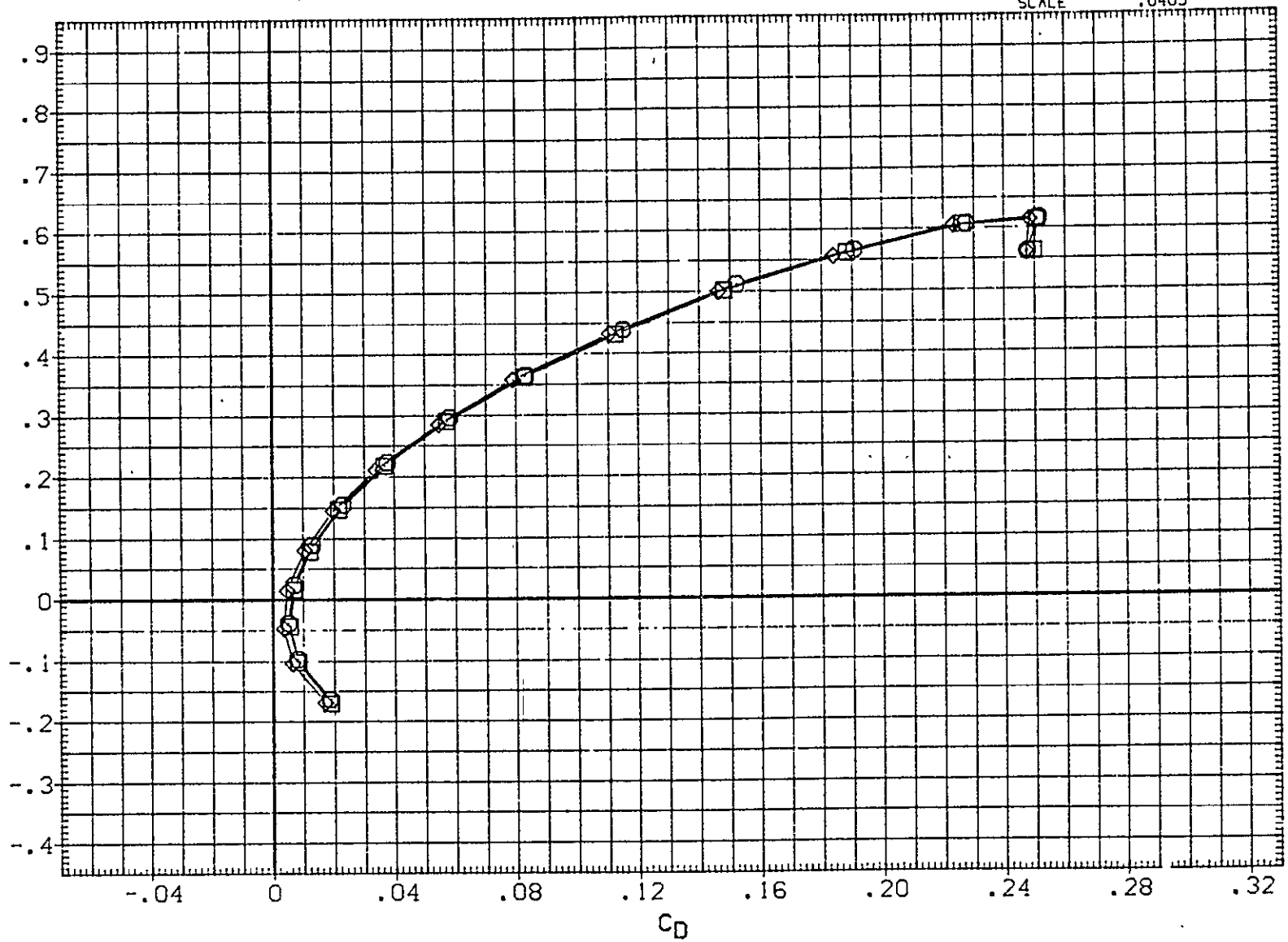

FIG 250 ALT CONFIG. ELEVATOR EFFECTIVENESS, FLAPS 30 IORB=8, TC ON, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF114)	○	(CA-8) K3V9.1.2TS5 F1OTS402			.000	.000
(TJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	2.000	.000	.000
(TJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	.000	.000	.000
(TJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XB
YMRP	.0000	IN.YB
ZMRP	375.0000	IN.ZB
SCALE	.0405	

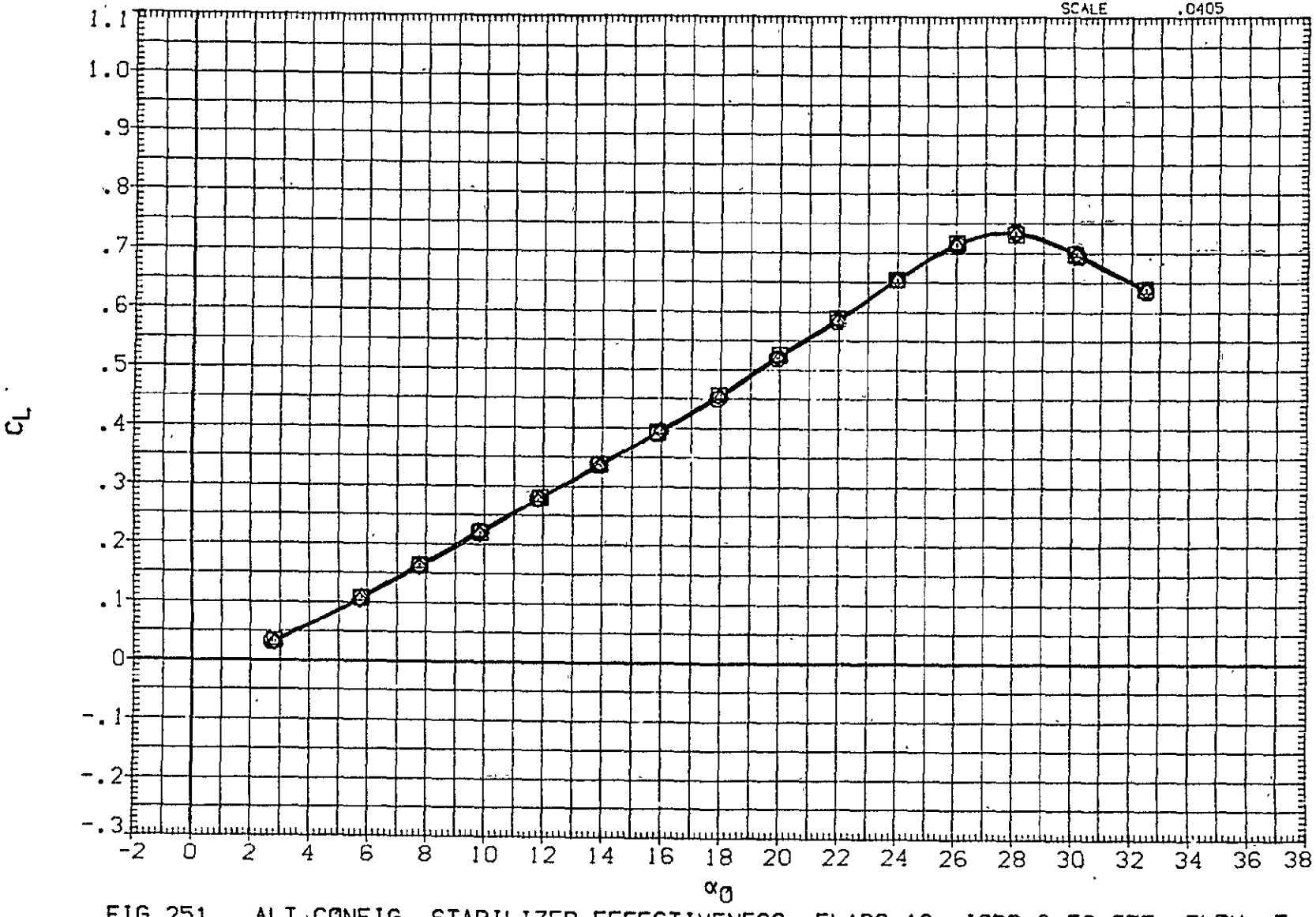

FIG 251 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10 I0RB=8.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF114)	○	(CA-8) K3V9.1.2TS5 F1OTS402			.000	.000
(TJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	2.000	.000	.000
(TJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	.000	.000	.000
(TJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F1OTS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

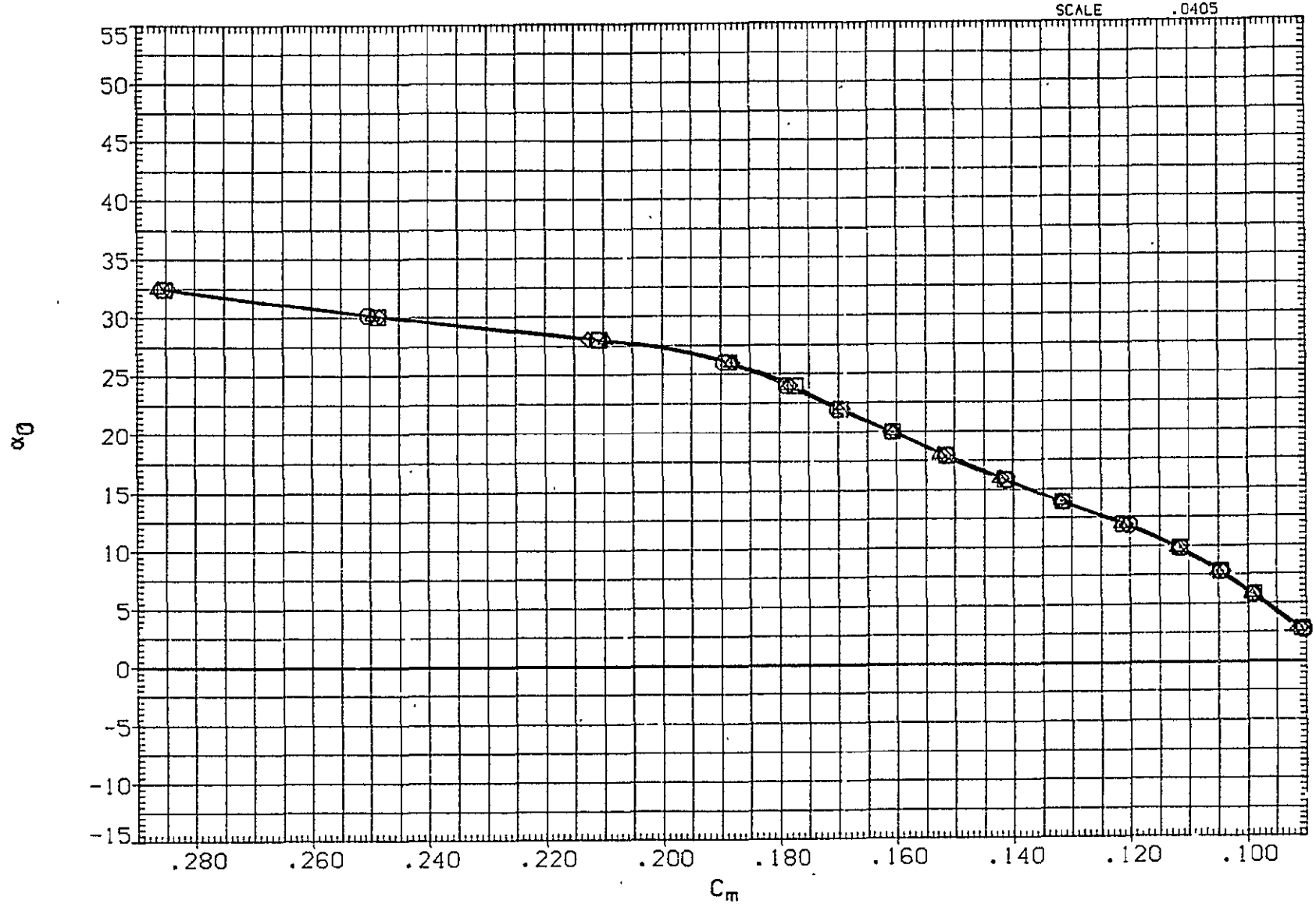

FIG 251 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 10 IORB=8.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF114)	○	(CA-8) K3V9.1.2TS5 F10TS402			.000	.000
(TJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF111)	◇	(CA-8) K3V_.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

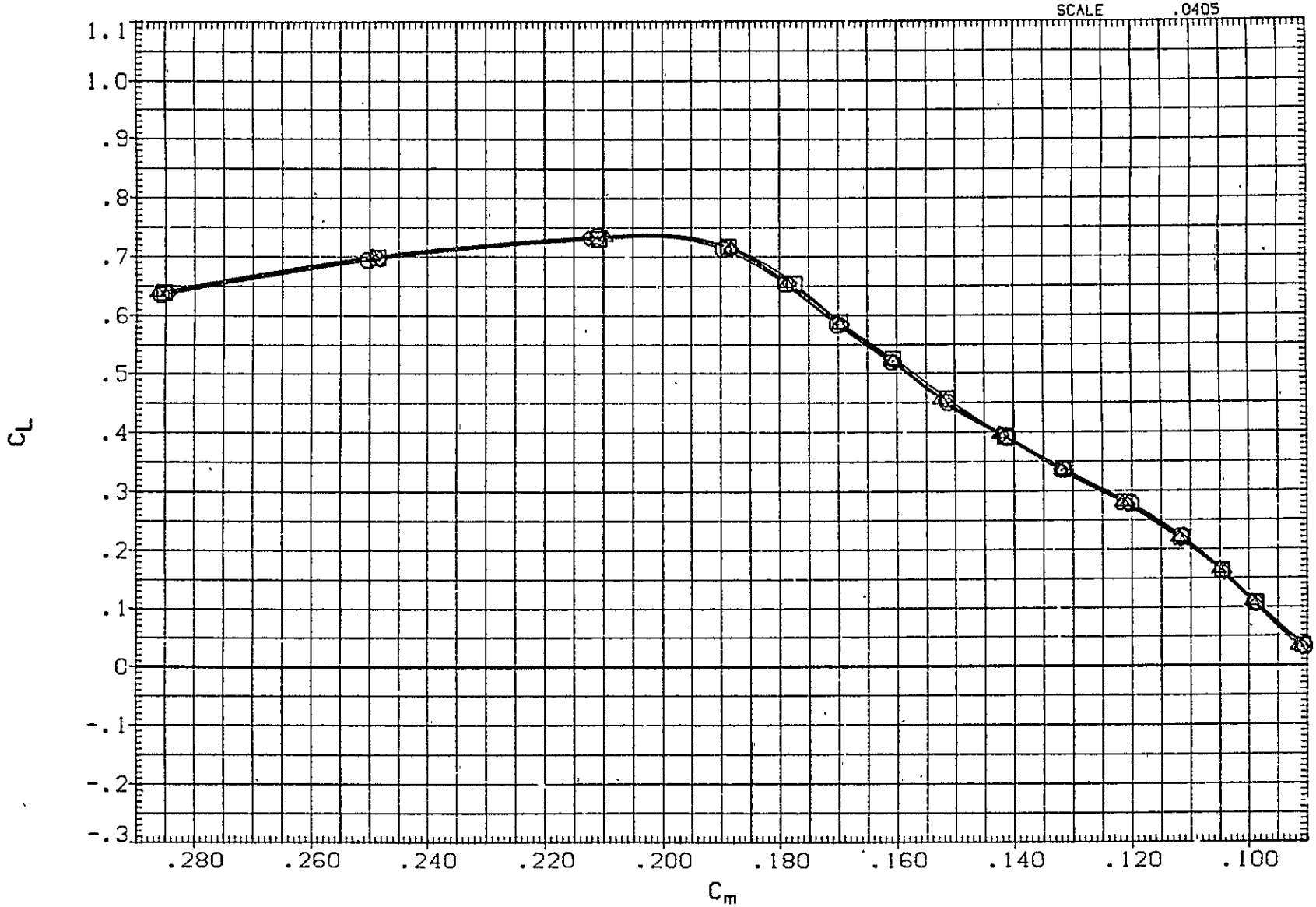

FIG 251 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 . IORB=8,TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF114)	○	(CA-8) K3V9.1.2TS5 F10TS402			.000	.000
(TJF113)	□	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	2.000	.000	.000
(TJF111)	◇	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	.000	.000	.000
(TJF112)	△	(CA-8) K3V9.1.2TS5H15.6.1F10TS402	.000	-2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

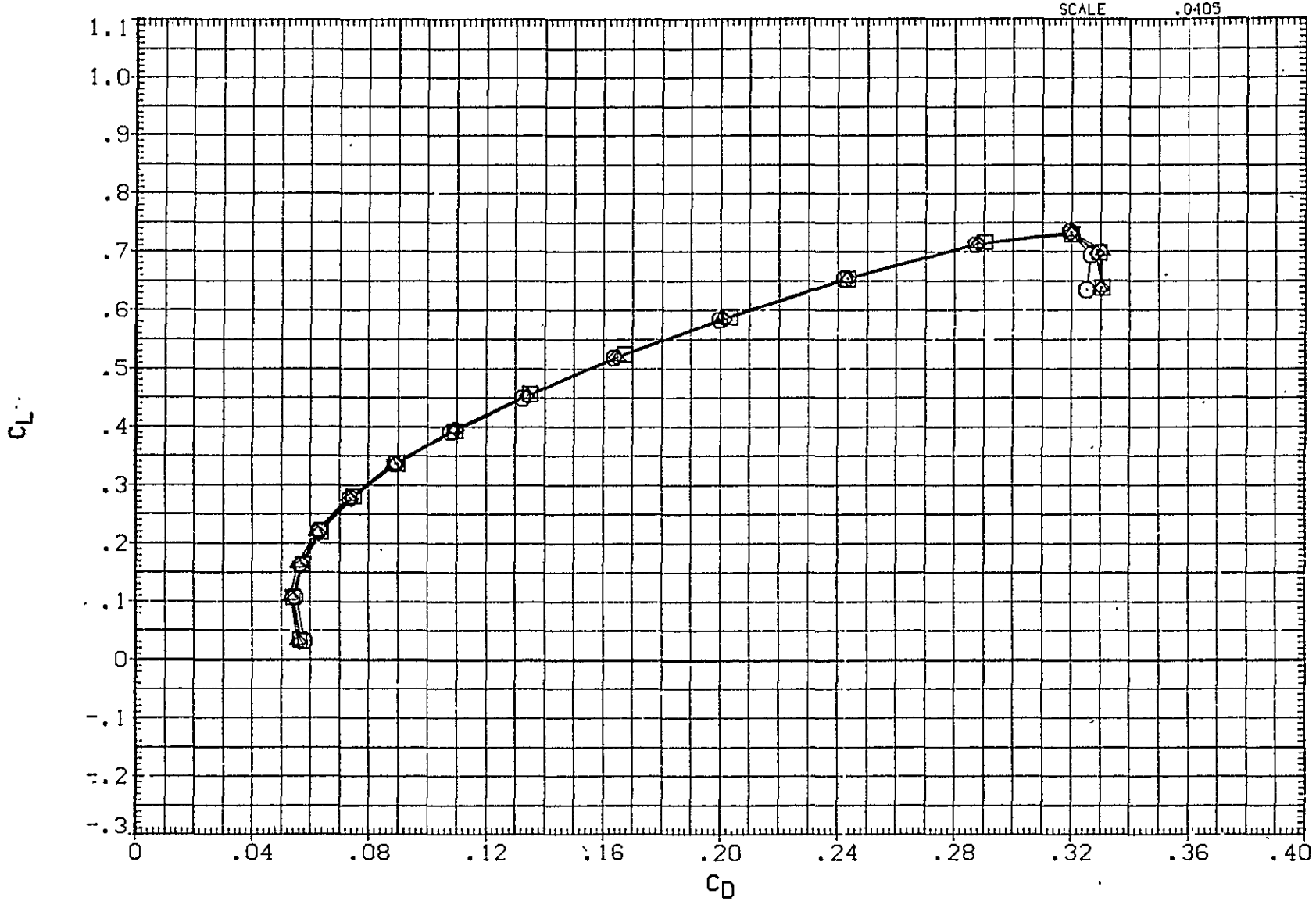

FIG 251 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 10 IORB=8.TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF073)	□	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF076)	◇□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF075)	⊠	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

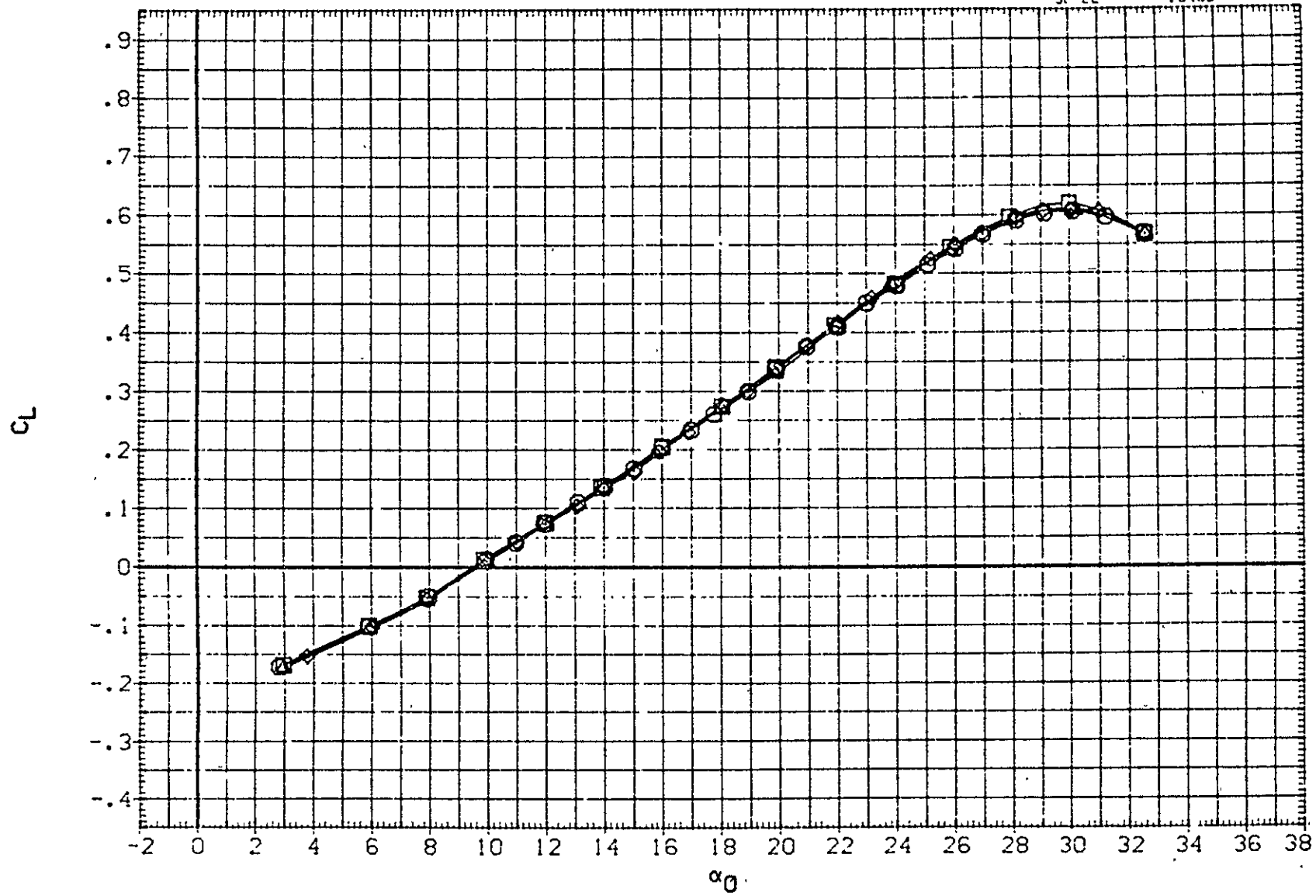

FIG 252 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

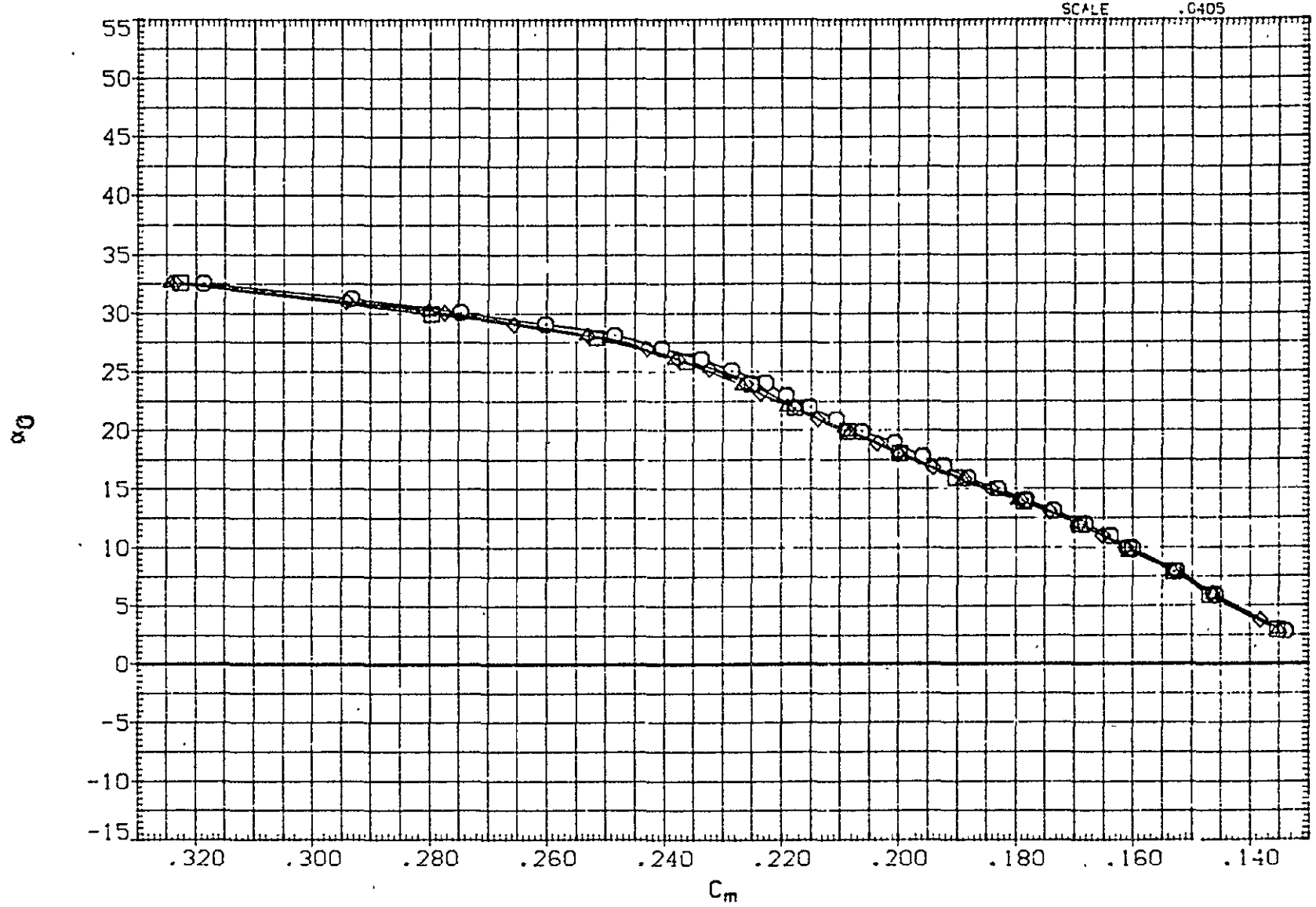

FIG 252 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8, TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BFTA
(TJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XC
YMRP	.0000	IN. YC
ZMRP	375.0000	IN. ZC
SCALE	.0405	

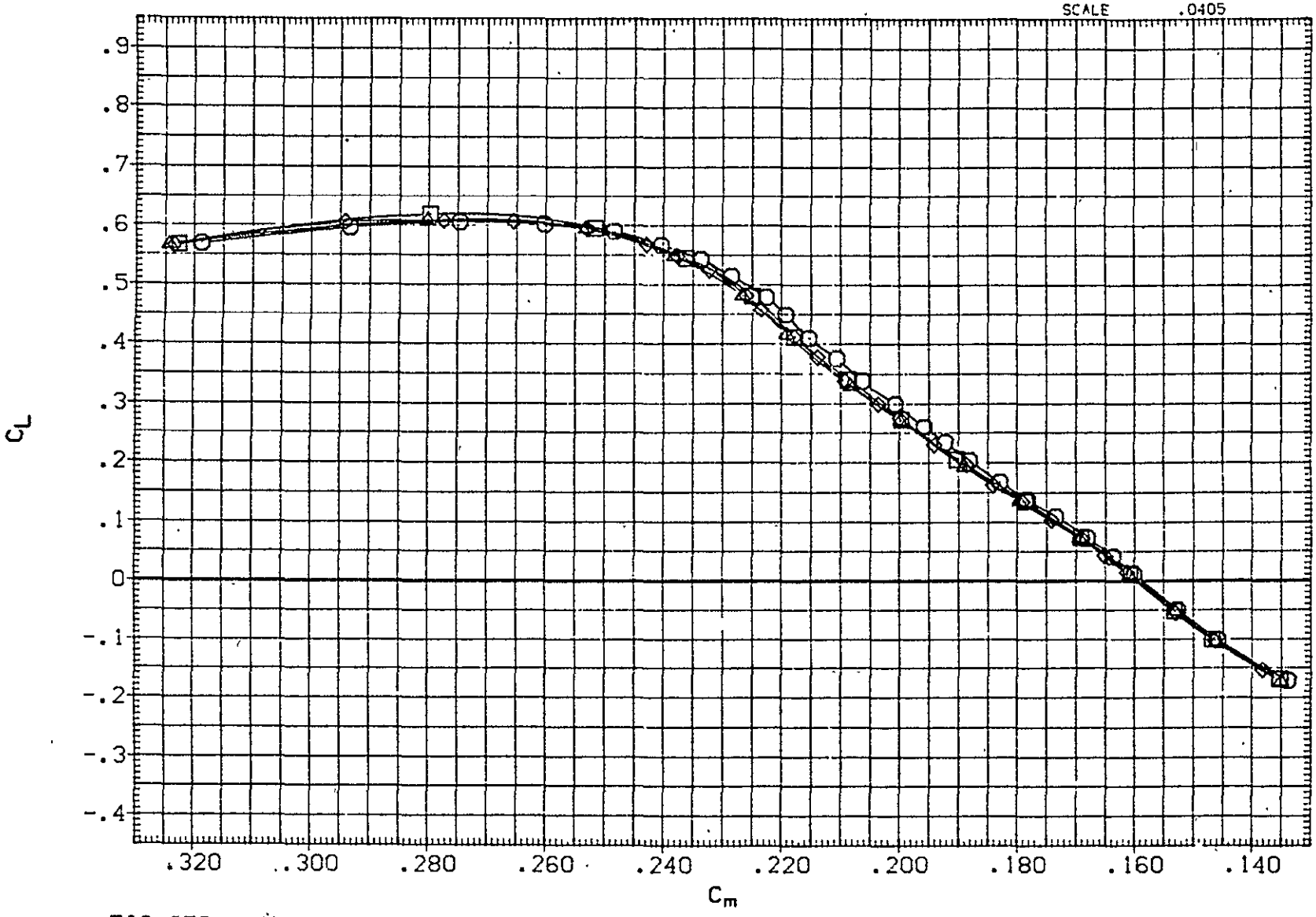

FIG 252 ALT CONFIG. STABILIZER EFFECTIVENESS. FLAPS 30 IORB=8.TC OFF. ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	BDFLAP	BETA
(TJF073)	○	(CA-8) K3V9.1.2TS5 F30G5.3.5TS402			.000	.000
(TJF076)	□	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	.000	.000	.000
(TJF075)	◇	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-2.000	.000	.000
(TJF074)	△	(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402	.000	-4.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMPP	.0000	IN.YO
ZMRP	375.0000	IN.ZC
SCALE	.0405	

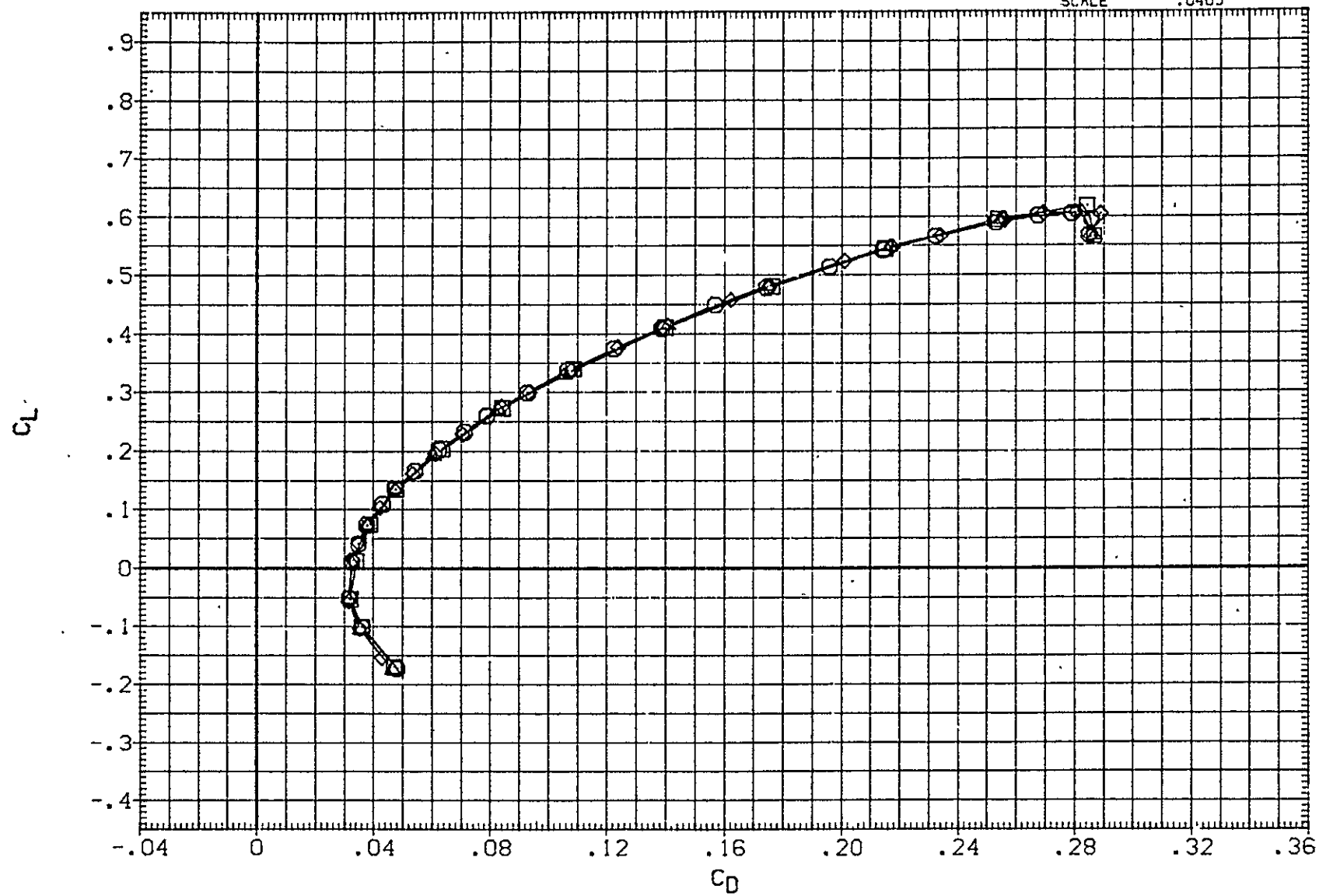

FIG 252 ALT CONFIG. STABILIZER EFFECTIVENESS, FLAPS 30 IORB=8.TC OFF, ELEV=-5
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTP	STAB	IORB	ELEVON
(TJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.000	-5.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

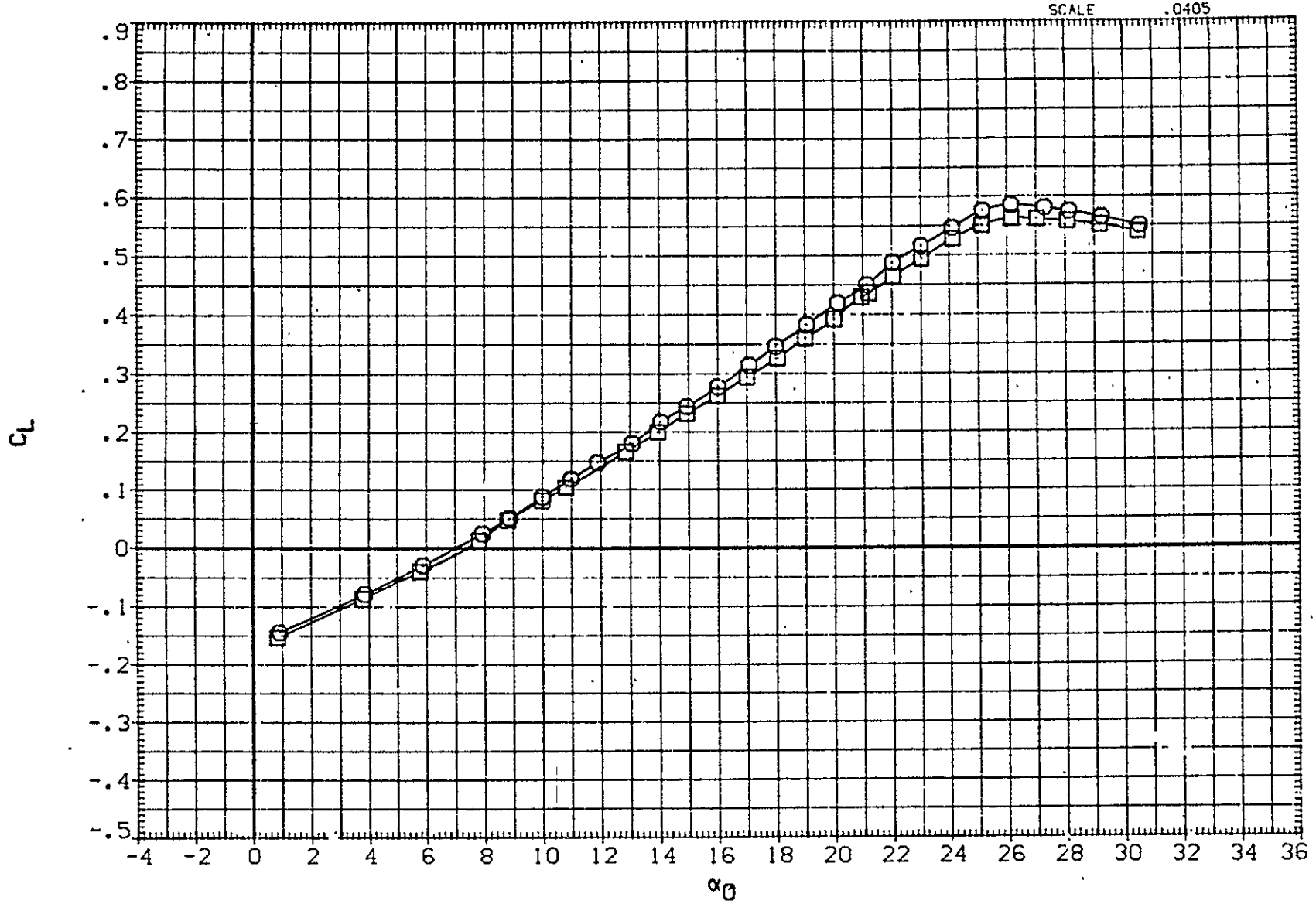

FIG 253 EFFECT OF TAILCONE. ALT CONF. IORB = 6. FLAPS 20
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVTR	STAB	IORB	ELEVON
(TJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401		.000	-2.000	6.000	-5.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20	TS402	.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XG
YMRP	.0000	IN.YG
ZMRP	375.0000	IN.ZG
SCALE	.0405	

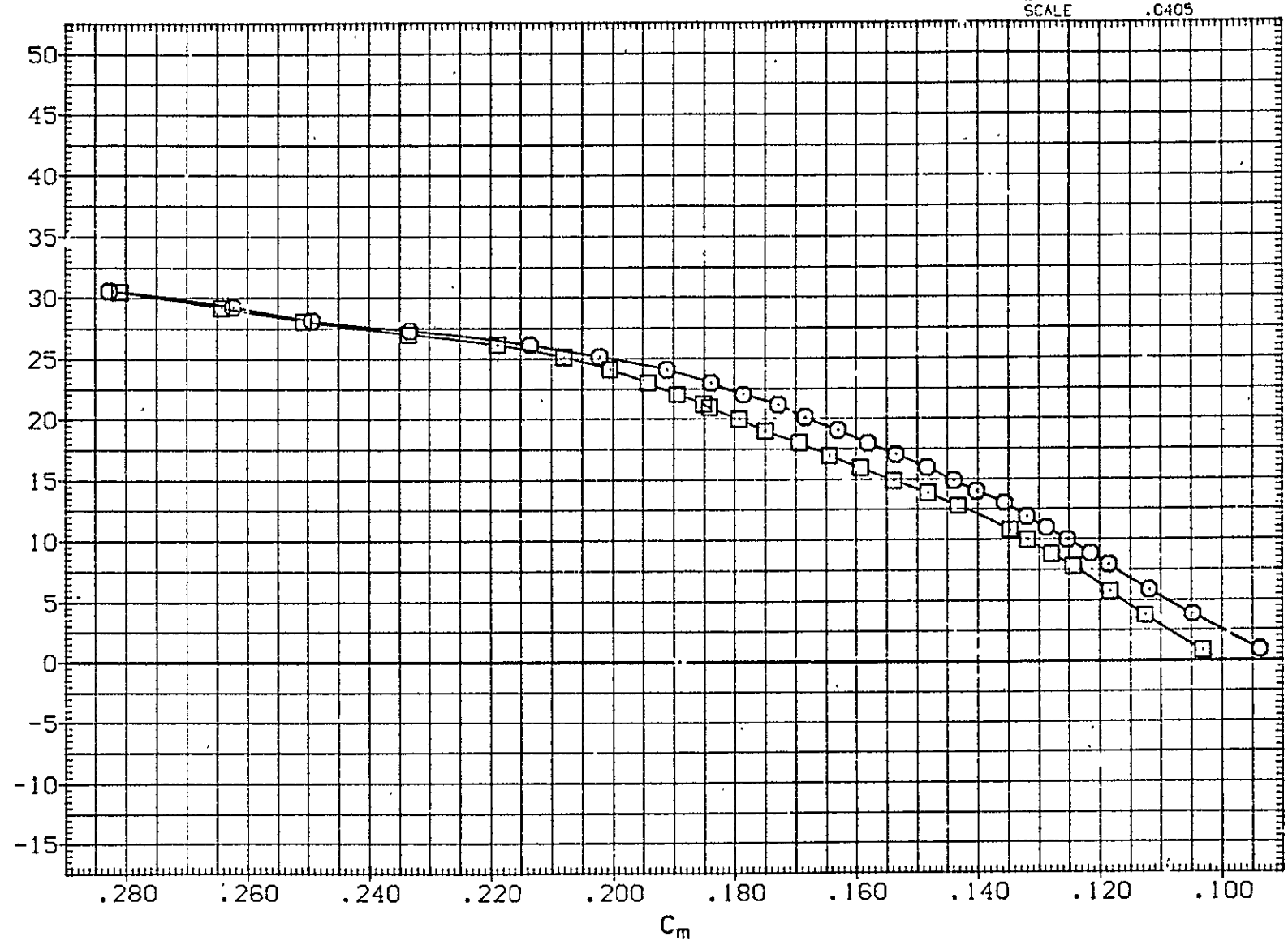

FIG 253 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVTR	STAB	IORB	ELEVON
(TJF083)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401		.000	-2.000	6.000	-5.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20	TS402	.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

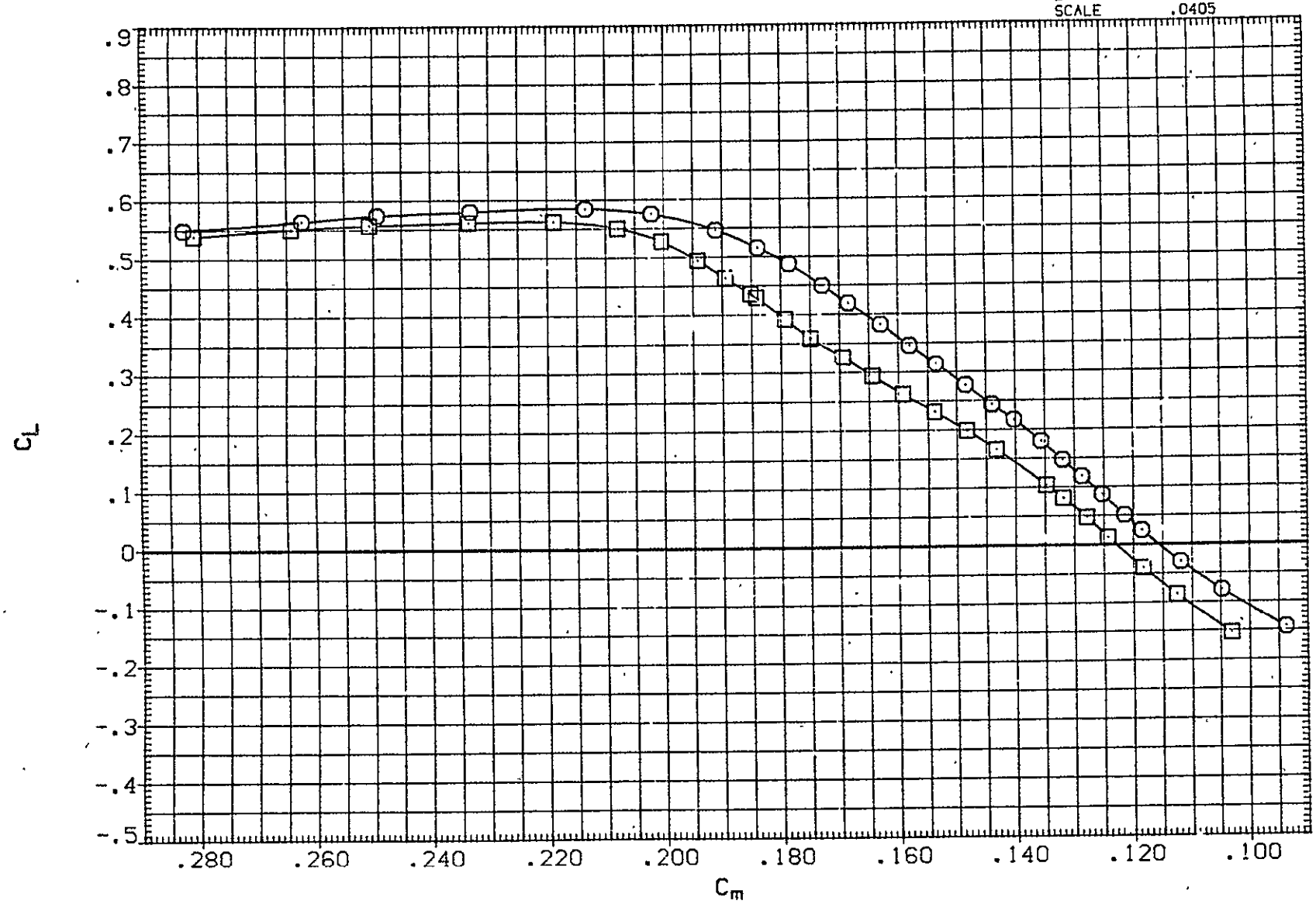

FIG 253 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	STAB	IORB	ELEVON
(TJF093)	○	(CA-8) K3V9.1.2TS5H15.6.1F20TS401	.000	-2.000	6.000	-5.000
(TJF079)	□	(CA-8) K3V9.1.2TS5H15.6.1F20 TS402	.000	-2.000	6.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

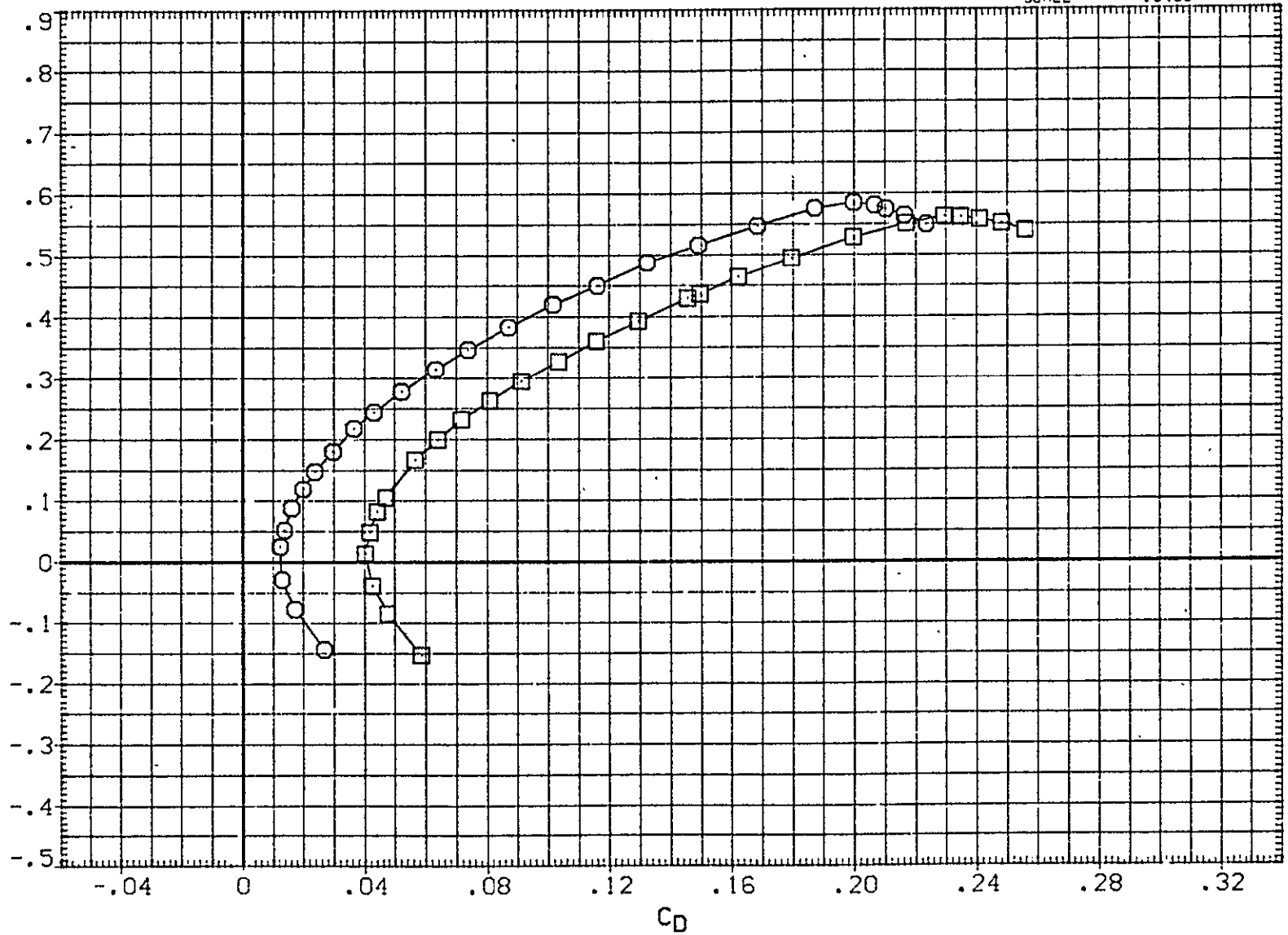

FIG 253 EFFECT OF TAILCONE, ALT CONF, IORB = 6, FLAPS 20
ORBITER BALANCE DATA-ALPHA SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BOFLAP	EI EVON
(TJF157)	○	(CA-8) K2.1TS7	F30TS401G5.3.5	.235	3.000	-11.700	.000
(TJF158)	□	(CA-8) K2.1TS7	F30TS401G5.3.5	4.200	3.000	-11.700	.000
(TJF159)	◇	(CA-8) K2.1TS7	F30TS401G5.3.5	6.165	3.000	-11.700	.000
(TJF160)	△	(CA-8) K2.1TS7	F30TS401G5.3.5	8.112	3.000	-11.700	.000
(TJF161)	▽	(CA-8) K2.1TS7	F30TS401G5.3.5	10.252	3.000	-11.700	.000
(TJF162)	⬠	(CA-8) K2.1TS7	F30TS401G5.3.5	12.237	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

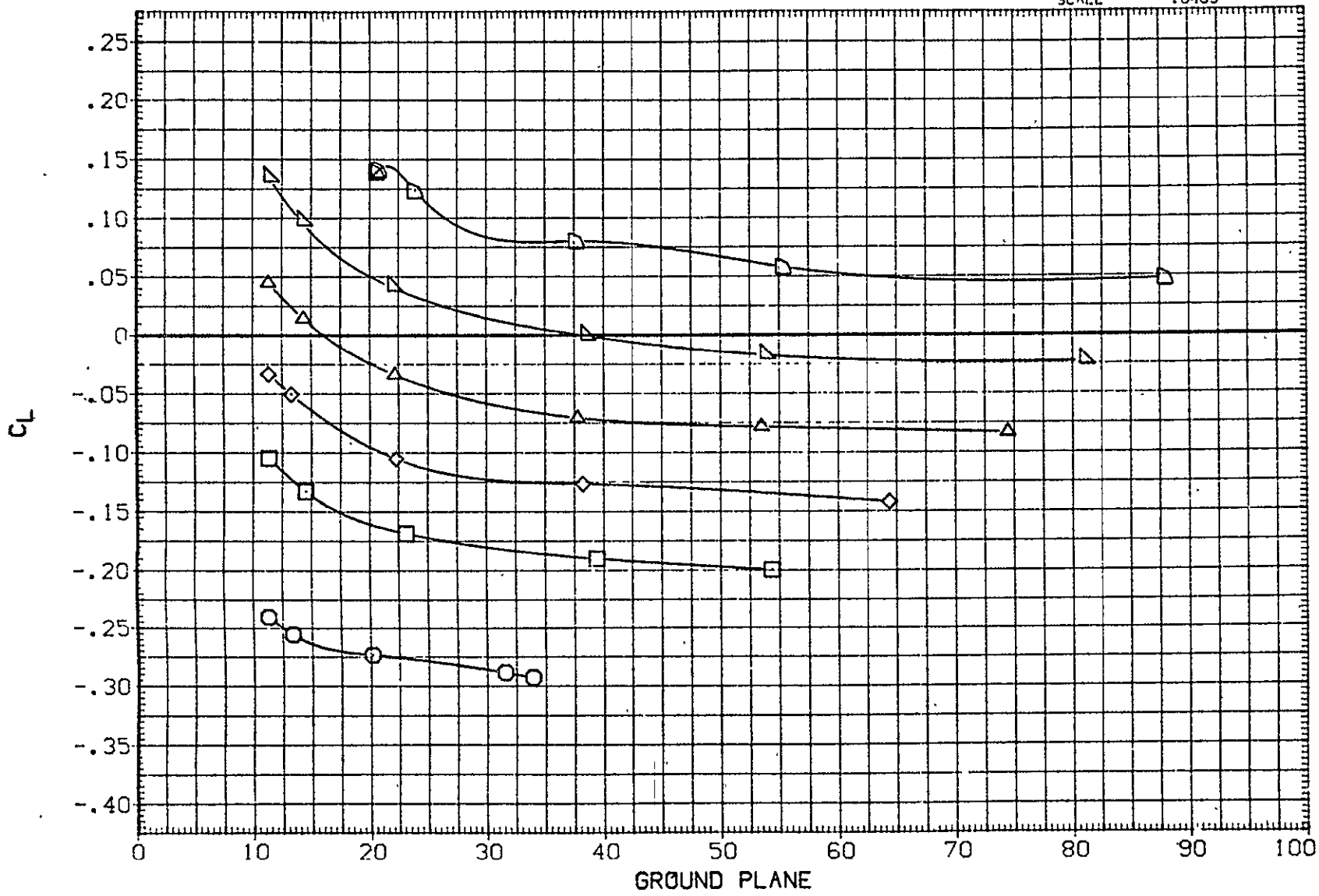

FIG 254 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF157)		(CA-B) K2.1TS7	F30TS40IG5.3.5	.235	3.000	-11.700	.000
(TJF158)		(CA-B) K2.1TS7	F30TS40IG5.3.5	4.200	3.000	-11.700	.000
(TJF159)		(CA-B) K2.1TS7	F30TS40IG5.3.5	6.165	3.000	-11.700	.000
(TJF160)		(CA-B) K2.1TS7	F30TS40IG5.3.5	8.112	3.000	-11.700	.000
(TJF161)		(CA-B) K2.1TS7	F30TS40IG5.3.5	10.252	3.000	-11.700	.000
(TJF162)		(CA-B) K2.1TS7	F30TS40IG5.3.5	12.237	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

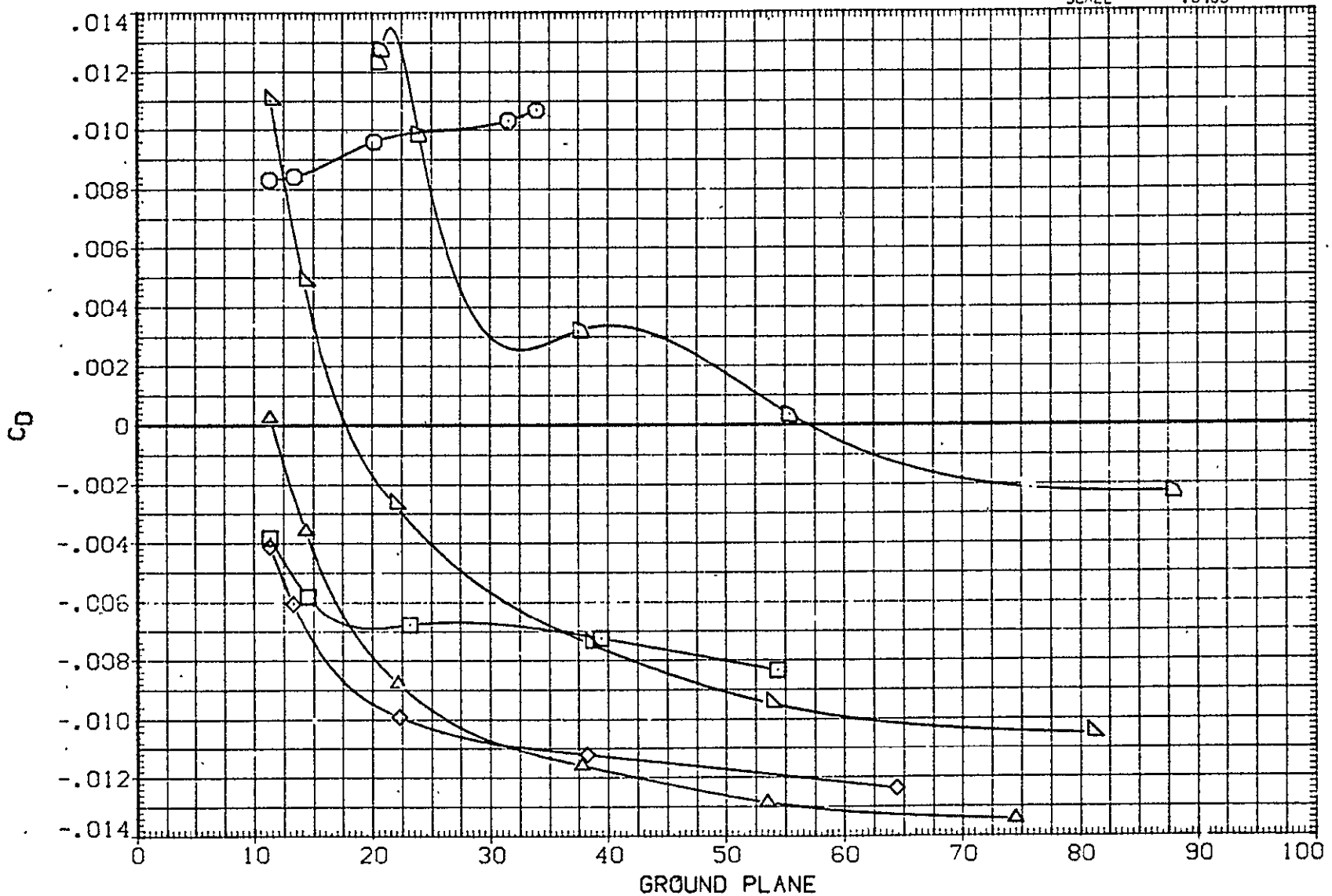

FIG 254 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF157)	○	(CA-8) K2.1TS7	F30TS40IG5.3.5	.235	3.000	-11.700	.000
(TJF158)	□	(CA-8) K2.1TS7	F30TS40IG5.3.5	4.200	3.000	-11.700	.000
(TJF159)	◇	(CA-8) K2.1TS7	F30TS40IG5.3.5	6.165	3.000	-11.700	.000
(TJF160)	△	(CA-8) K2.1TS7	F30TS40IG5.3.5	8.112	3.000	-11.700	.000
(TJF161)	◺	(CA-8) K2.1TS7	F30TS40IG5.3.5	10.252	3.000	-11.700	.000
(TJF162)	▱	(CA-8) K2.1TS7	F30TS40IG5.3.5	12.237	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

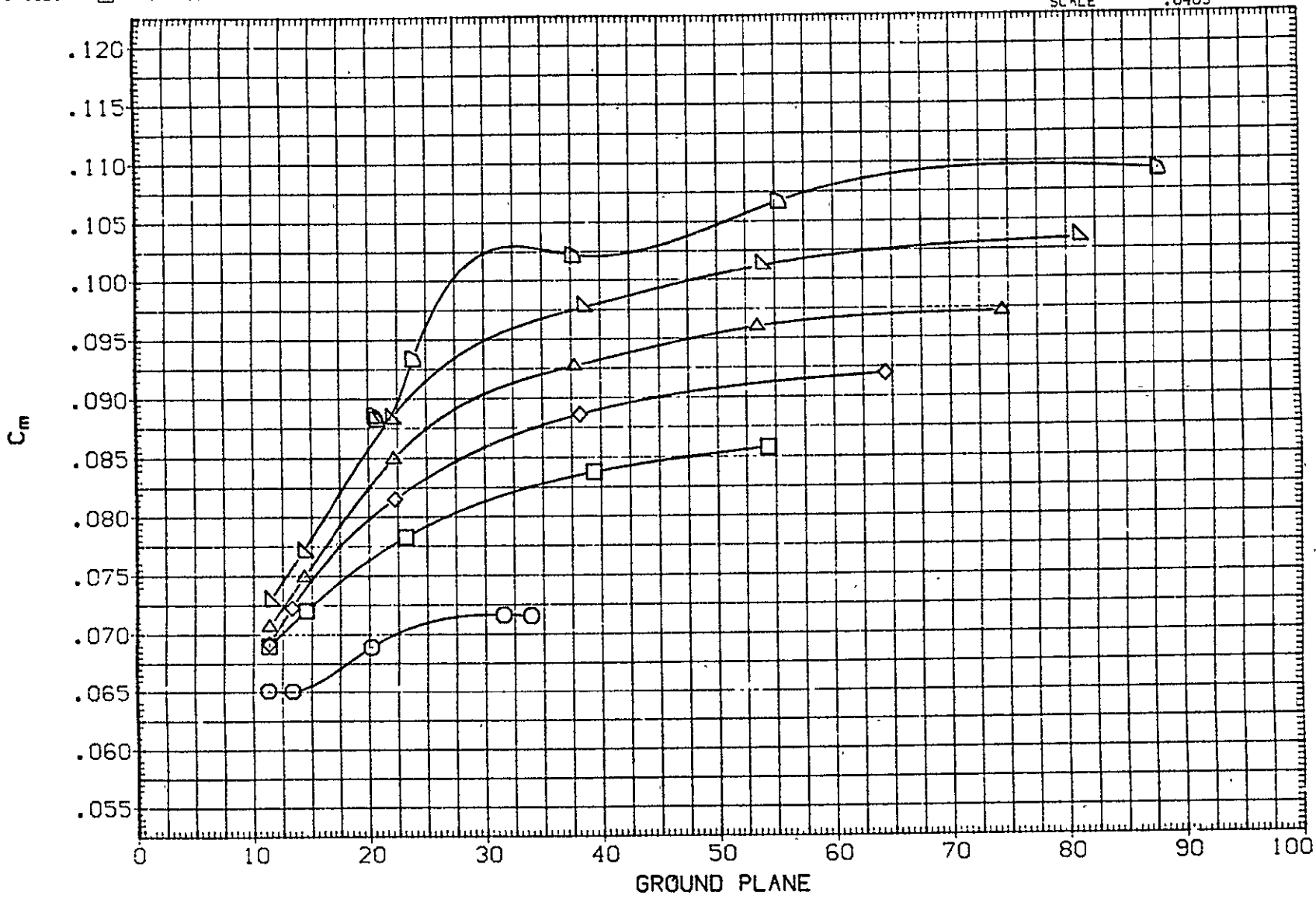

FIG 254 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.219	3.000	-11.700	.000
(TJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.234	3.000	-11.700	.000
(TJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.192	3.000	-11.700	.000
(TJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000
(TJF135)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000
(TJF138)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

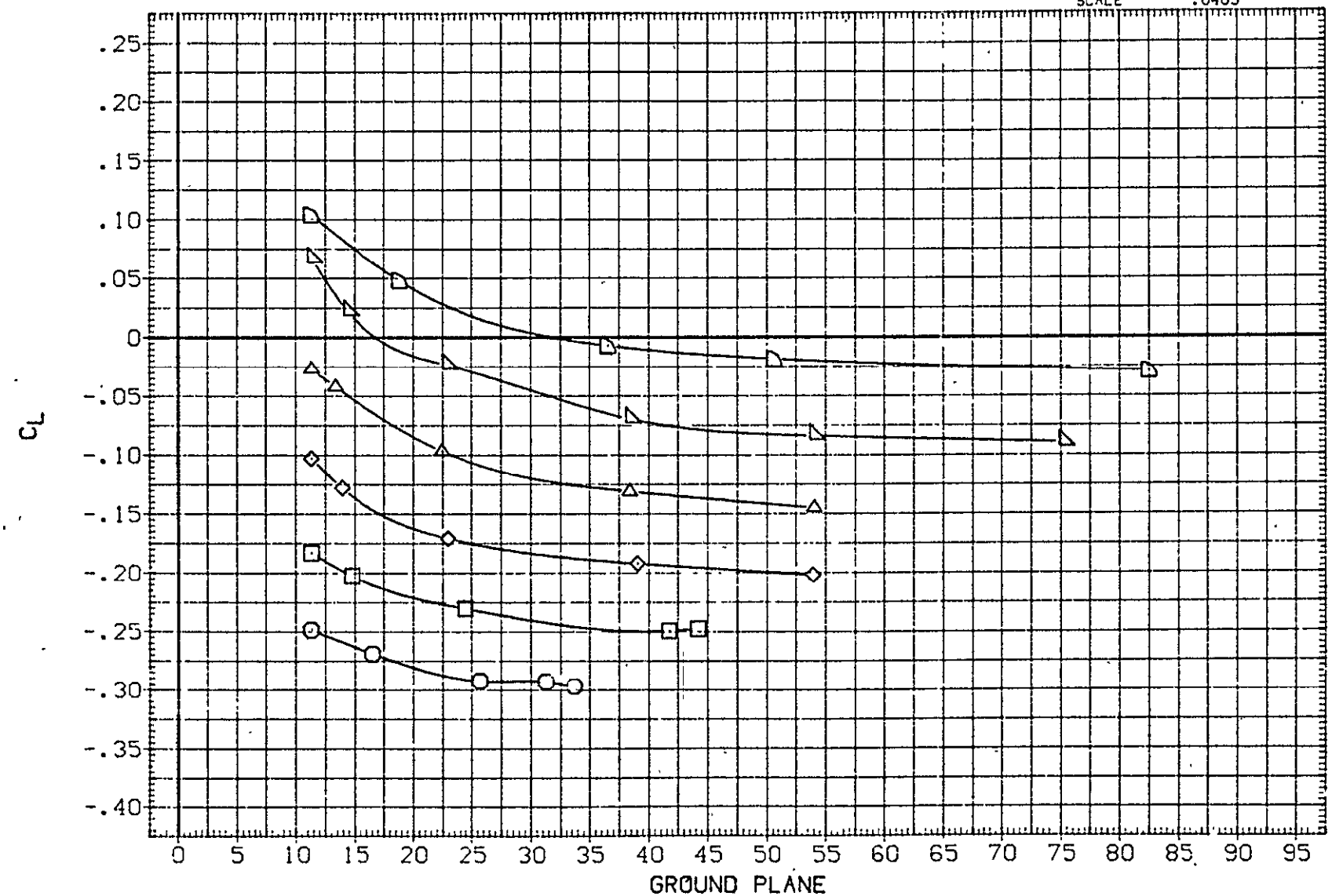

FIG 255 FERRY CON. IN GROUND PROXIMITY. STAB = 0. IORB = 3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF136)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.219	3.000	-11.700	.000
(TJF137)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.234	3.000	-11.700	.000
(TJF133)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.192	3.000	-11.700	.000
(TJF134)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000
(TJF135)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000
(TJF138)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

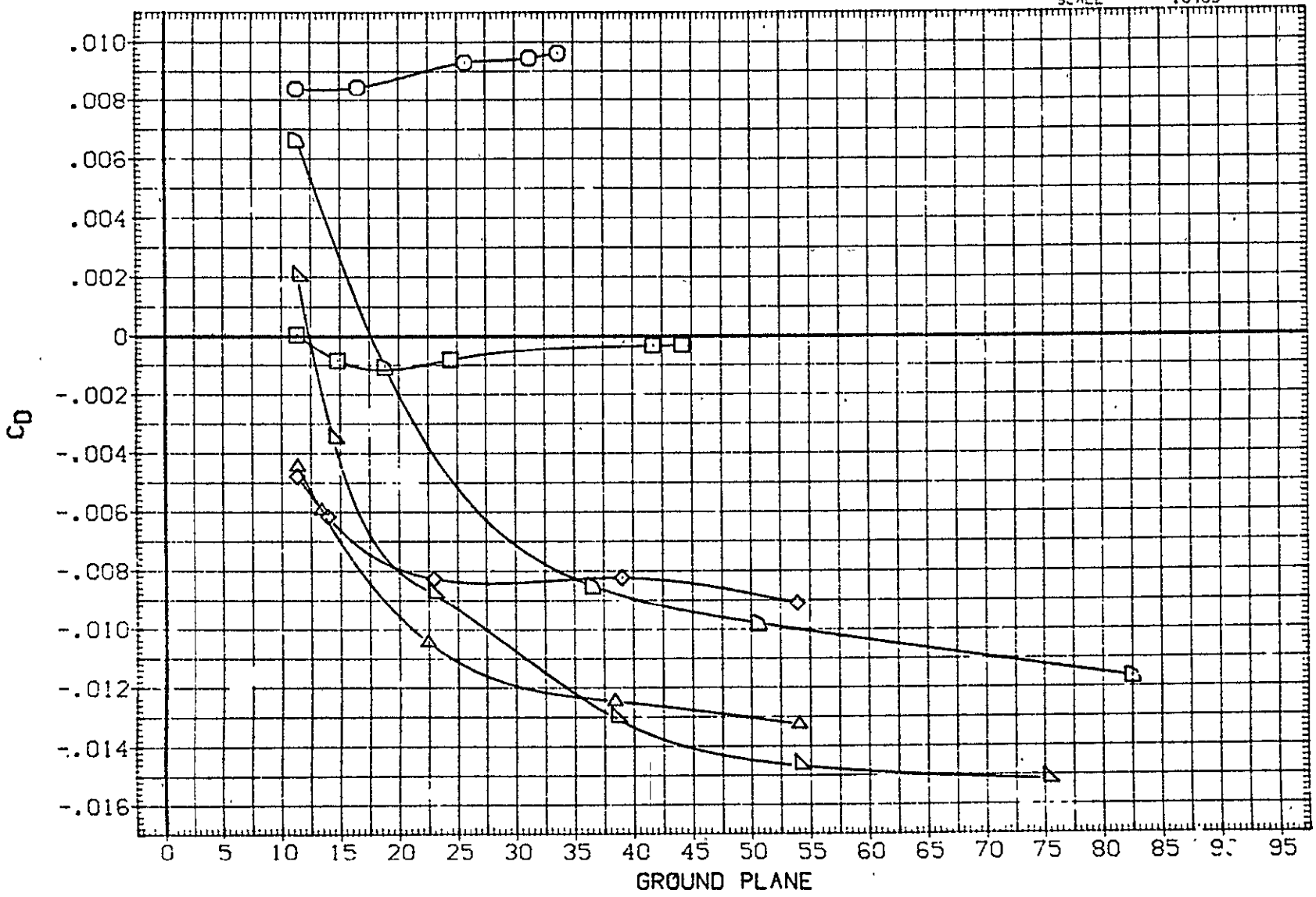

FIG 255 FERRY CON. IN GROUND PROXIMITY. STAB = 0. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF136)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.219	3.000	-11.700	.000
(TJF137)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.234	3.000	-11.700	.000
(TJF133)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.192	3.000	-11.700	.000
(TJF134)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000
(TJF135)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000
(TJF138)		(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

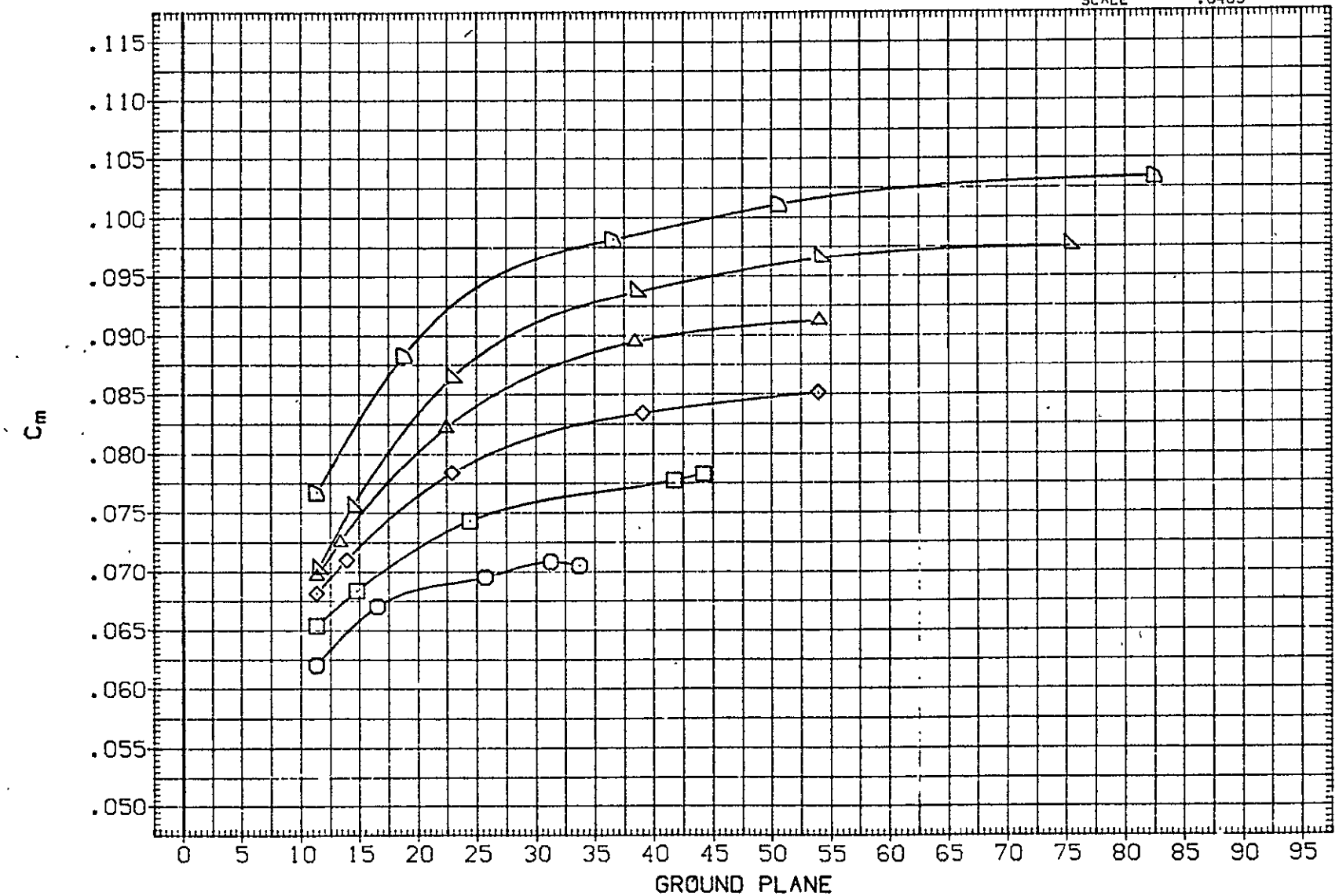

FIG 255 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF134)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000
(TJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000
(TJF138)	◇	(GA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000
(TJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.226	3.000	-11.700	.000
(TJF140)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.293	3.000	-11.700	.000
(TJF141)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.297	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

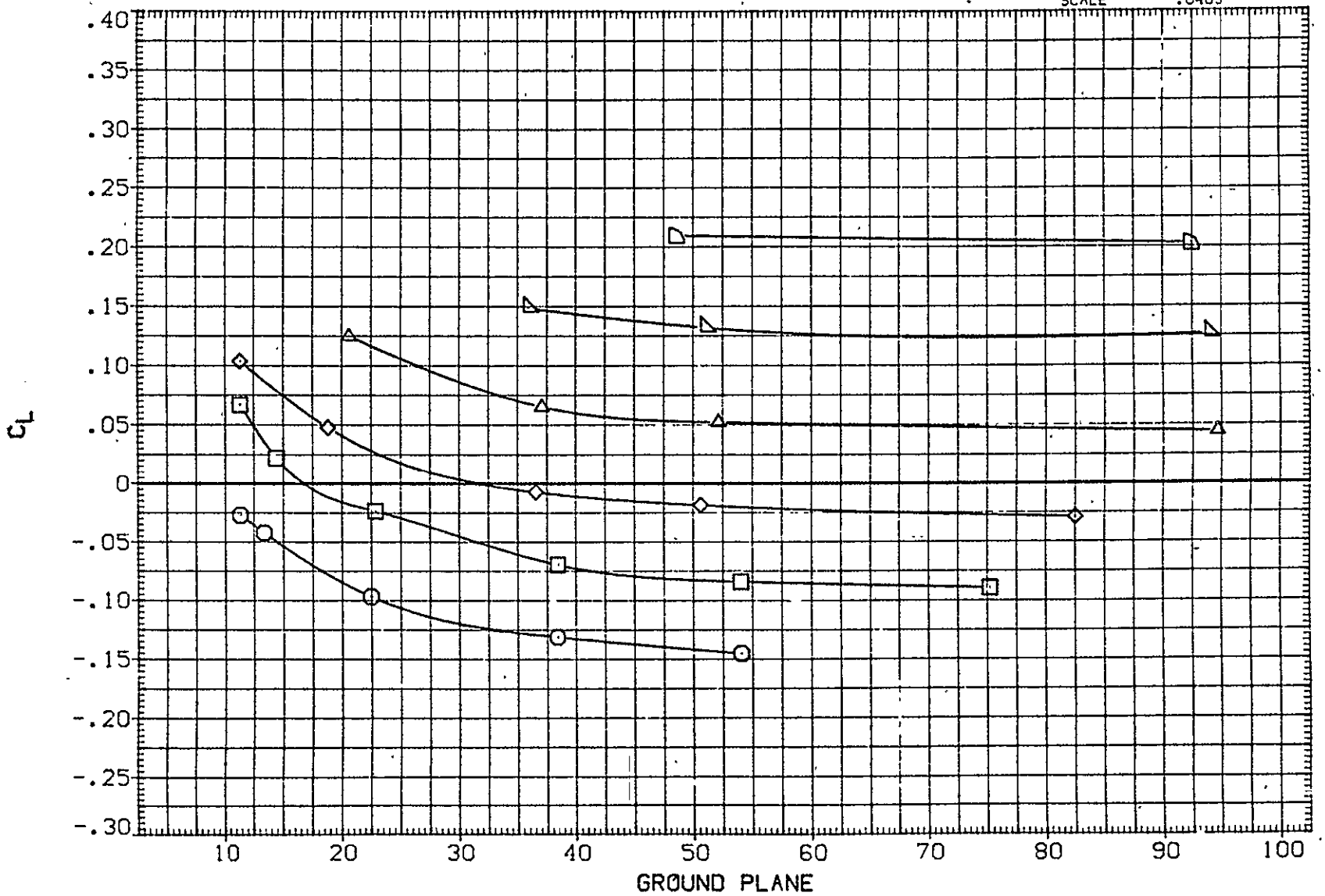

FIG 256 FERRY CON. IN GROUND PROXIMITY, STAB = 0, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF134)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.216	3.000	-11.700	.000
(TJF135)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.254	3.000	-11.700	.000
(TJF138)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.169	3.000	-11.700	.000
(TJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.226	3.000	-11.700	.000
(TJF140)	▽	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	14.293	3.000	-11.700	.000
(TJF141)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	16.297	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

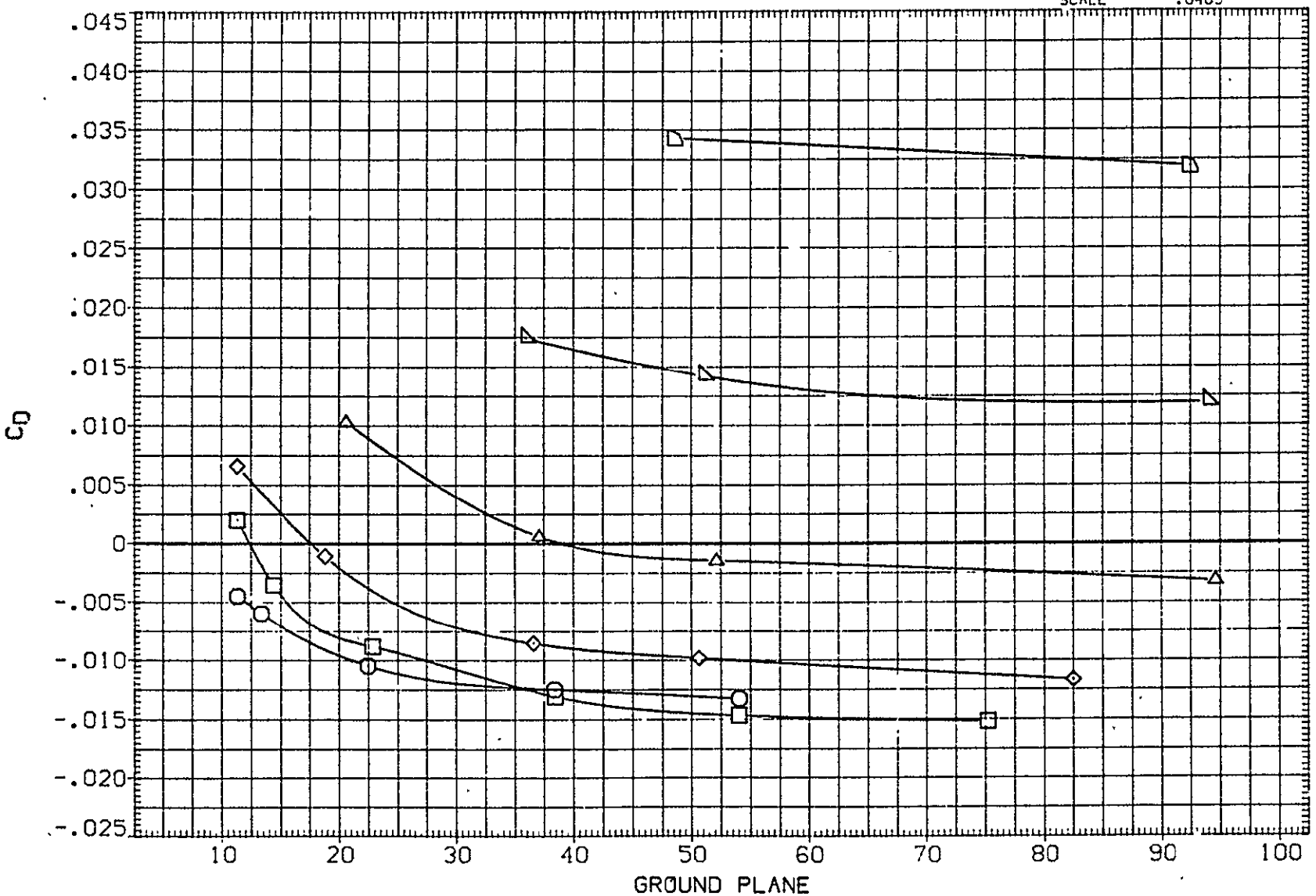

FIG 256 FERRY CON. IN GROUND PROXIMITY, STAB = 0. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF134)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.216	3.000	-11.700	.000
(TJF135)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.254	3.000	-11.700	.000
(TJF138)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.169	3.000	-11.700	.000
(TJF139)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.226	3.000	-11.700	.000
(TJF140)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.293	3.000	-11.700	.000
(TJF141)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.297	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

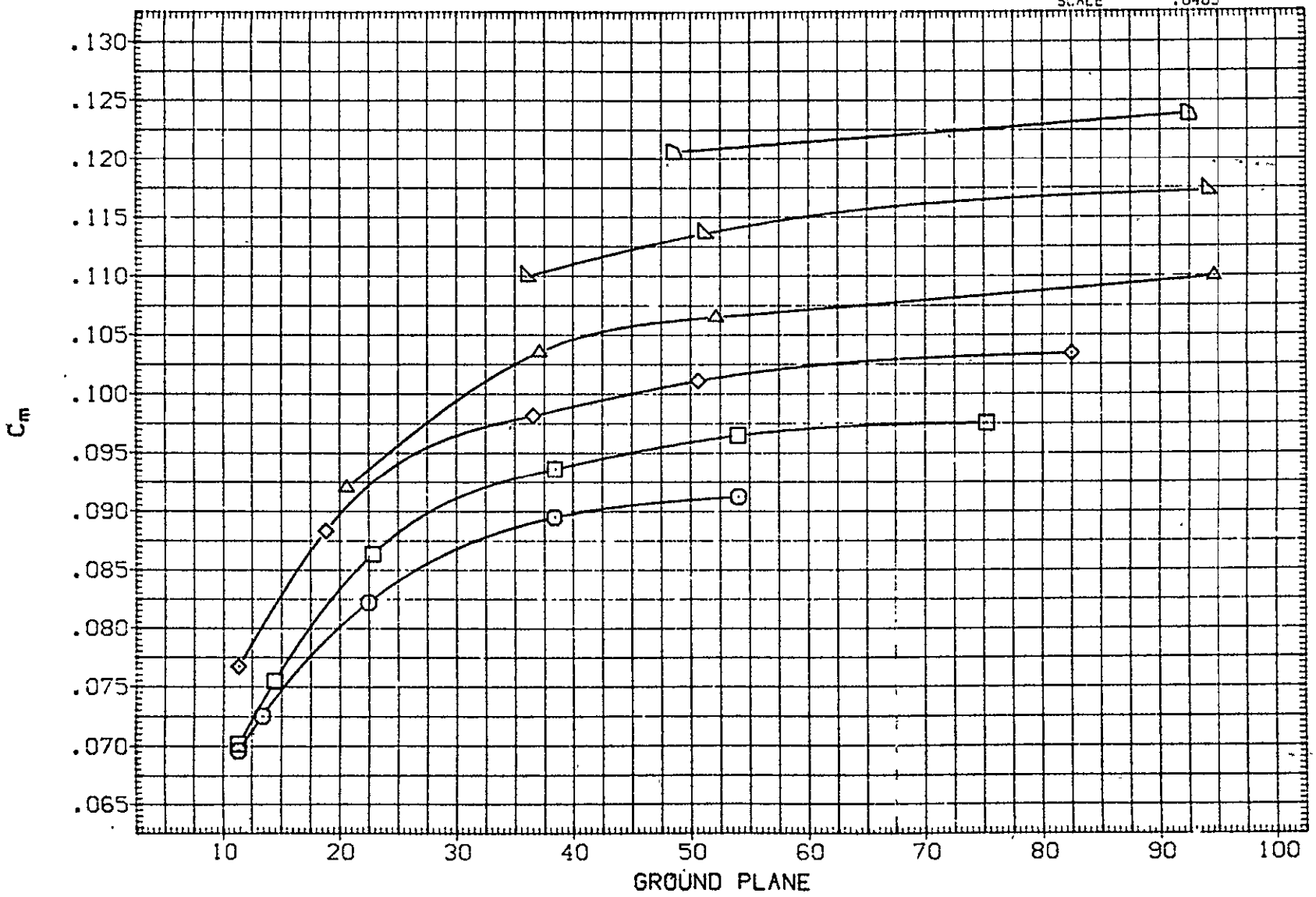

FIG 256 FERRY CON. IN GROUND PROXIMITY. STAB = 0. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.177	3.000	-11.700	.000
(TJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.164	3.000	-11.700	.000
(TJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.247	3.000	-11.700	.000
(TJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000
(TJF146)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000
(TJF147)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

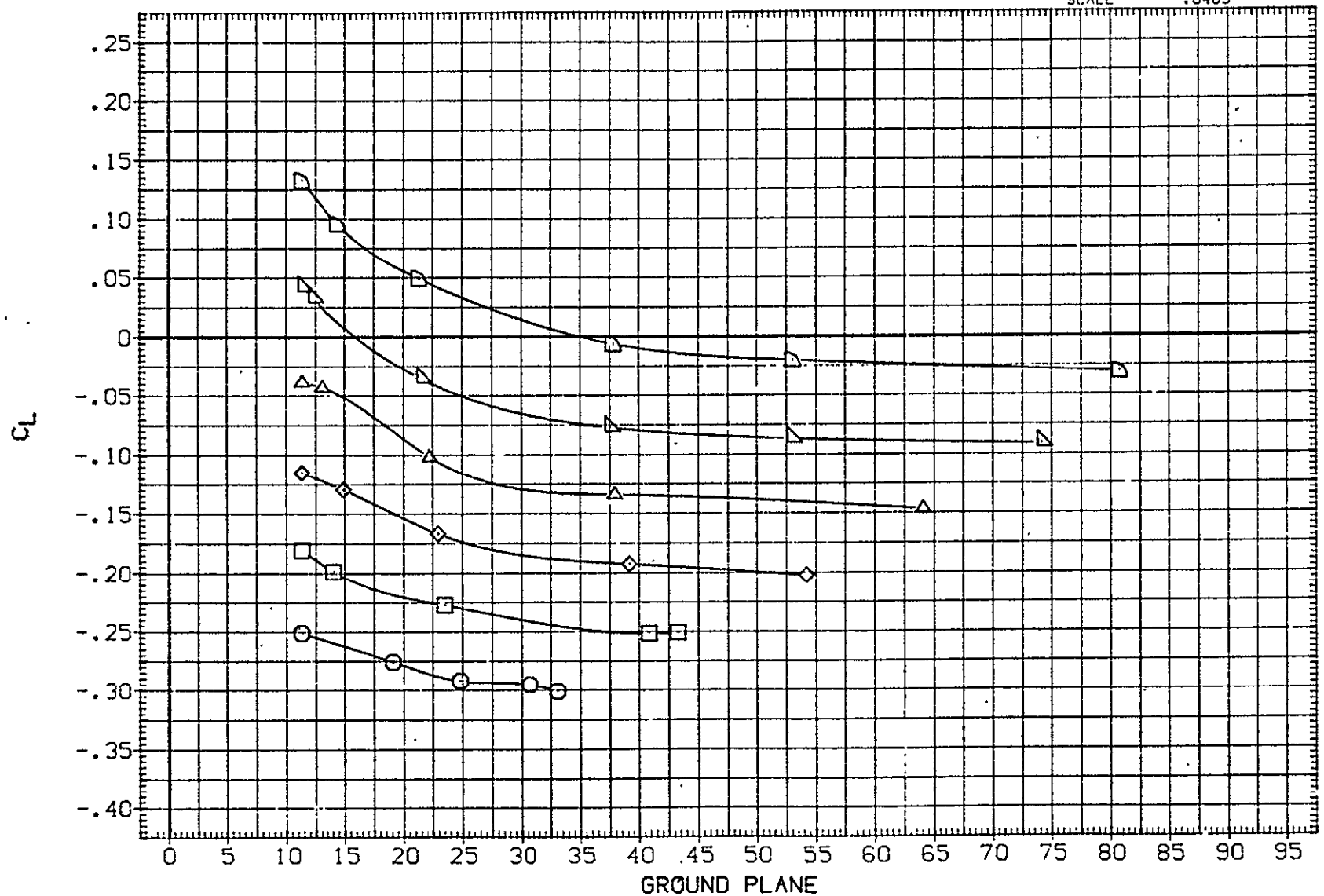

FIG 257 FERRY CON. IN GROUND PROXIMITY, STAB = -2. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.177	3.000	-11.700	.000
(TJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	2.164	3.000	-11.700	.000
(TJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.247	3.000	-11.700	.000
(TJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000
(TJF146)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000
(TJF147)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

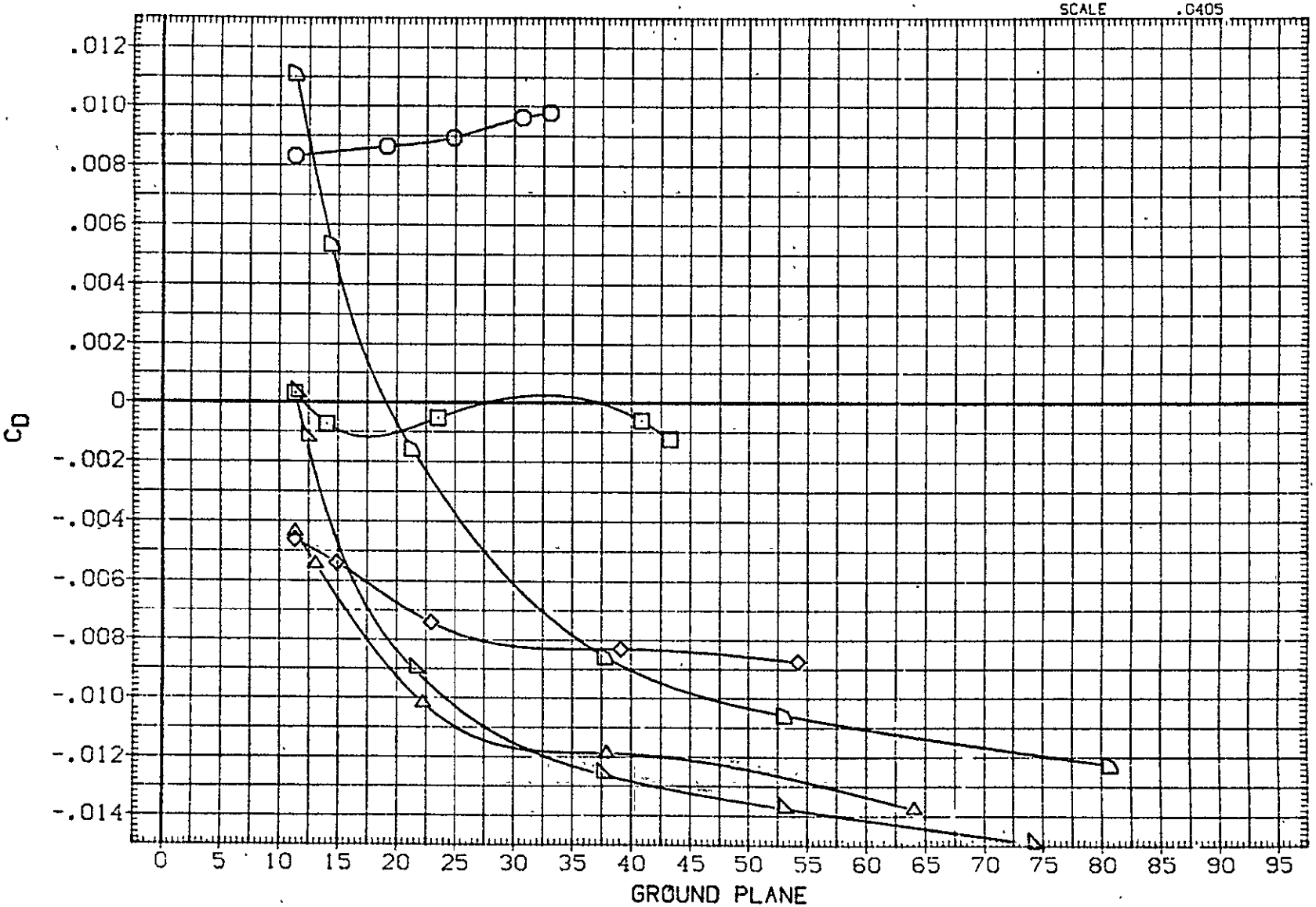

FIG 257 FERRY CON. IN GROUND PROXIMITY, STAB = -2. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IOPR	BDFLAP	ELEVON
(TJF142)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.177	3.000	-11.700	.000
(TJF143)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	2.164	3.000	-11.700	.000
(TJF144)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.247	3.000	-11.700	.000
(TJF145)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.166	3.000	-11.700	.000
(TJF146)	◁	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.099	3.000	-11.700	.000
(TJF147)	▱	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.174	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

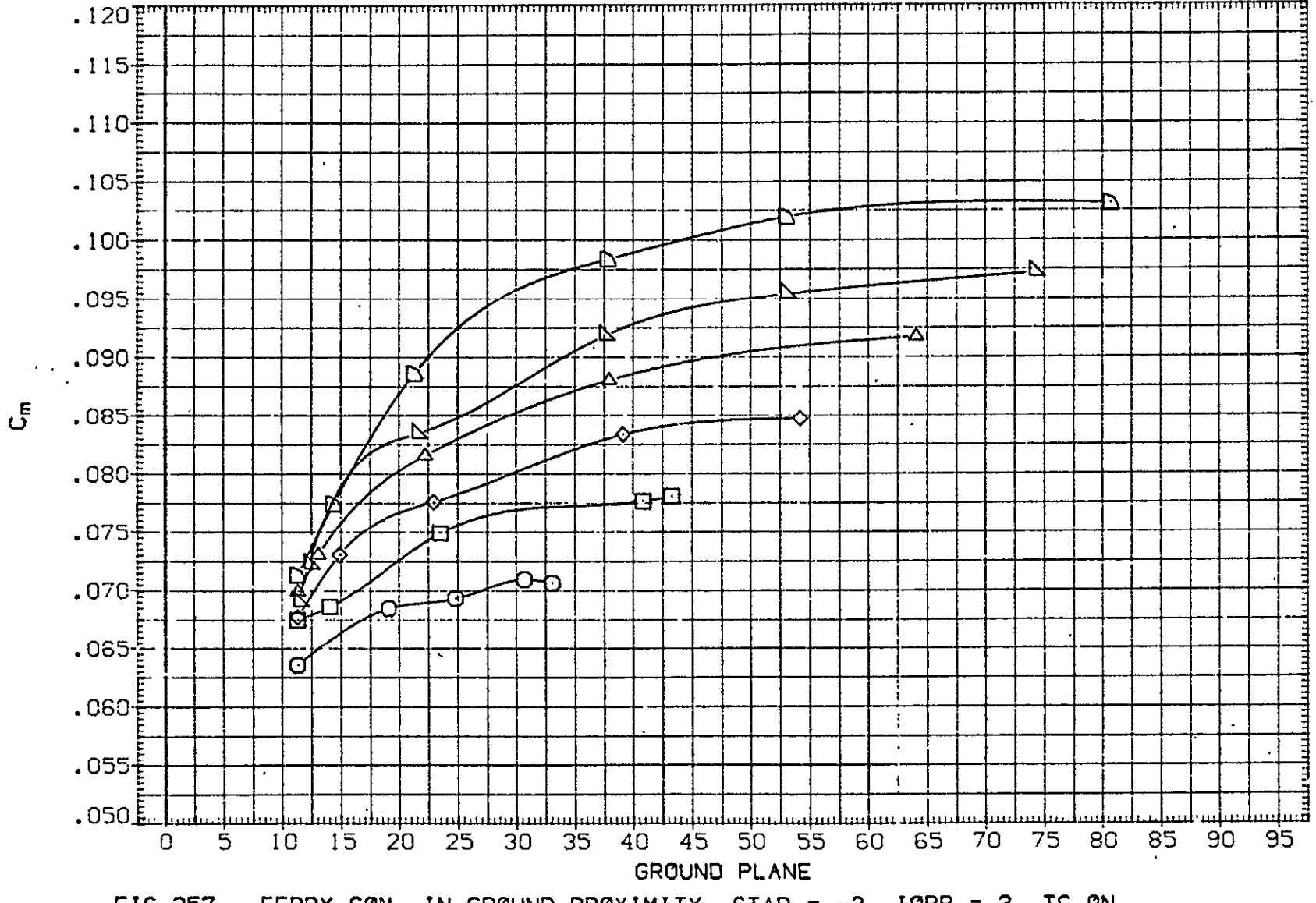

FIG 257 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF145)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	6.166	3.000	-11.700	.000
(TJF146)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	8.099	3.000	-11.700	.000
(TJF147)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	10.174	3.000	-11.700	.000
(TJF148)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	12.110	3.000	-11.700	.000
(TJF149)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	14.219	3.000	-11.700	.000
(TJF150)		(CA-8) K2.1TS7H15.6.1F30TS40165.3.5	16.235	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

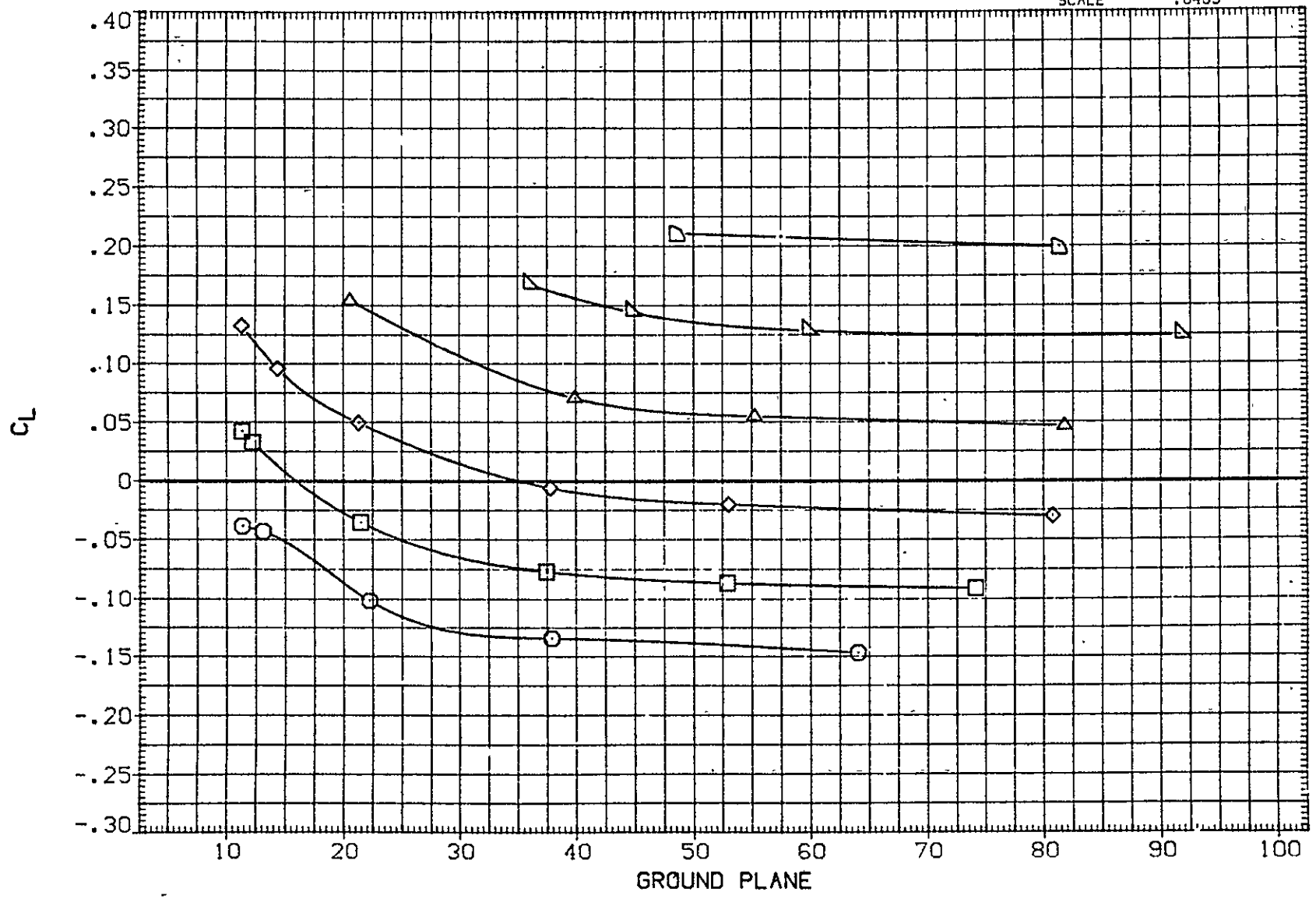

FIG 258 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5
(TJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5
(TJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5
(TJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5
(TJF149)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5
(TJF150)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
6.166	3.000	-11.700	.000
8.099	3.000	-11.700	.000
10.174	3.000	-11.700	.000
12.110	3.000	-11.700	.000
14.219	3.000	-11.700	.000
16.235	3.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

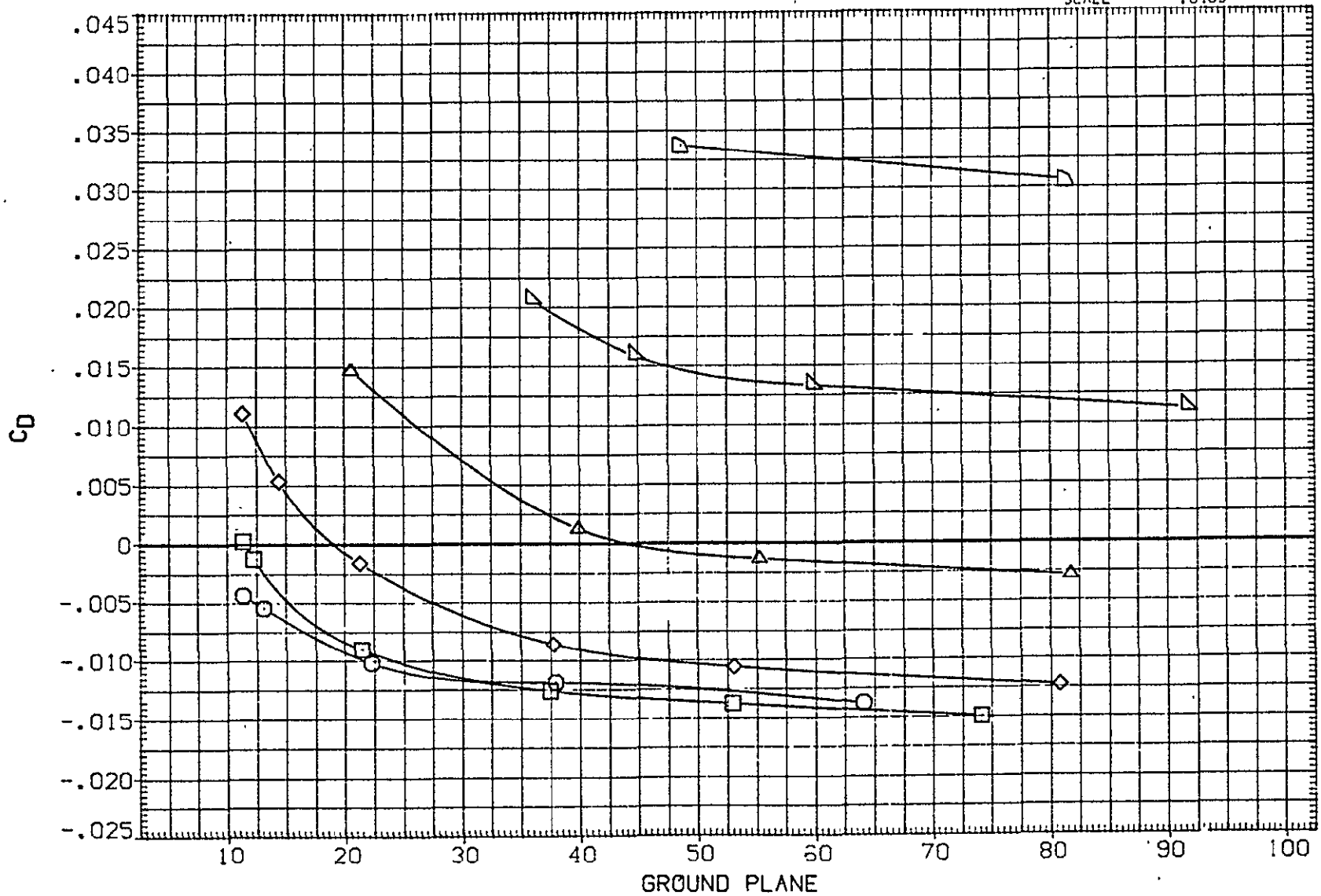

FIG 258 FERRY CON. IN GROUND PROXIMITY, STAB = -2, IORB = 3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF145)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.166	3.000	-11.700	.000
(TJF146)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.099	3.000	-11.700	.000
(TJF147)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.174	3.000	-11.700	.000
(TJF148)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.110	3.000	-11.700	.000
(TJF149)	◺	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	14.219	3.000	-11.700	.000
(TJF150)	◺	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	16.235	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

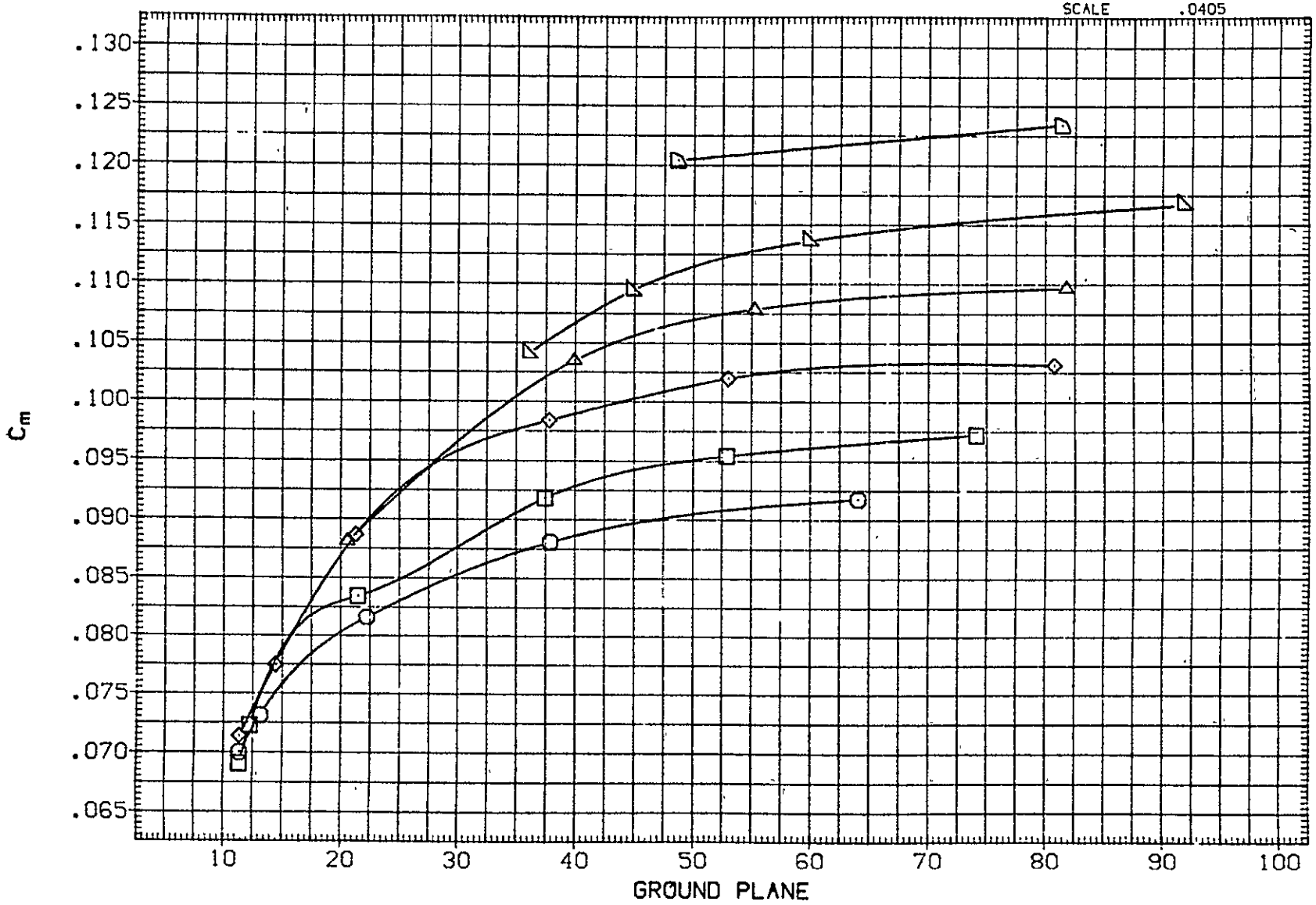

FIG 258 FERRY CON. IN GROUND PROXIMITY. STAB = -2. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.159	3.000	-11.700	.000
(TJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.158	3.000	-11.700	.000
(TJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.110	3.000	-11.700	.000
(TJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.239	3.000	-11.700	.000
(TJF155)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.147	3.000	-11.700	.000
(TJF156)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.148	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

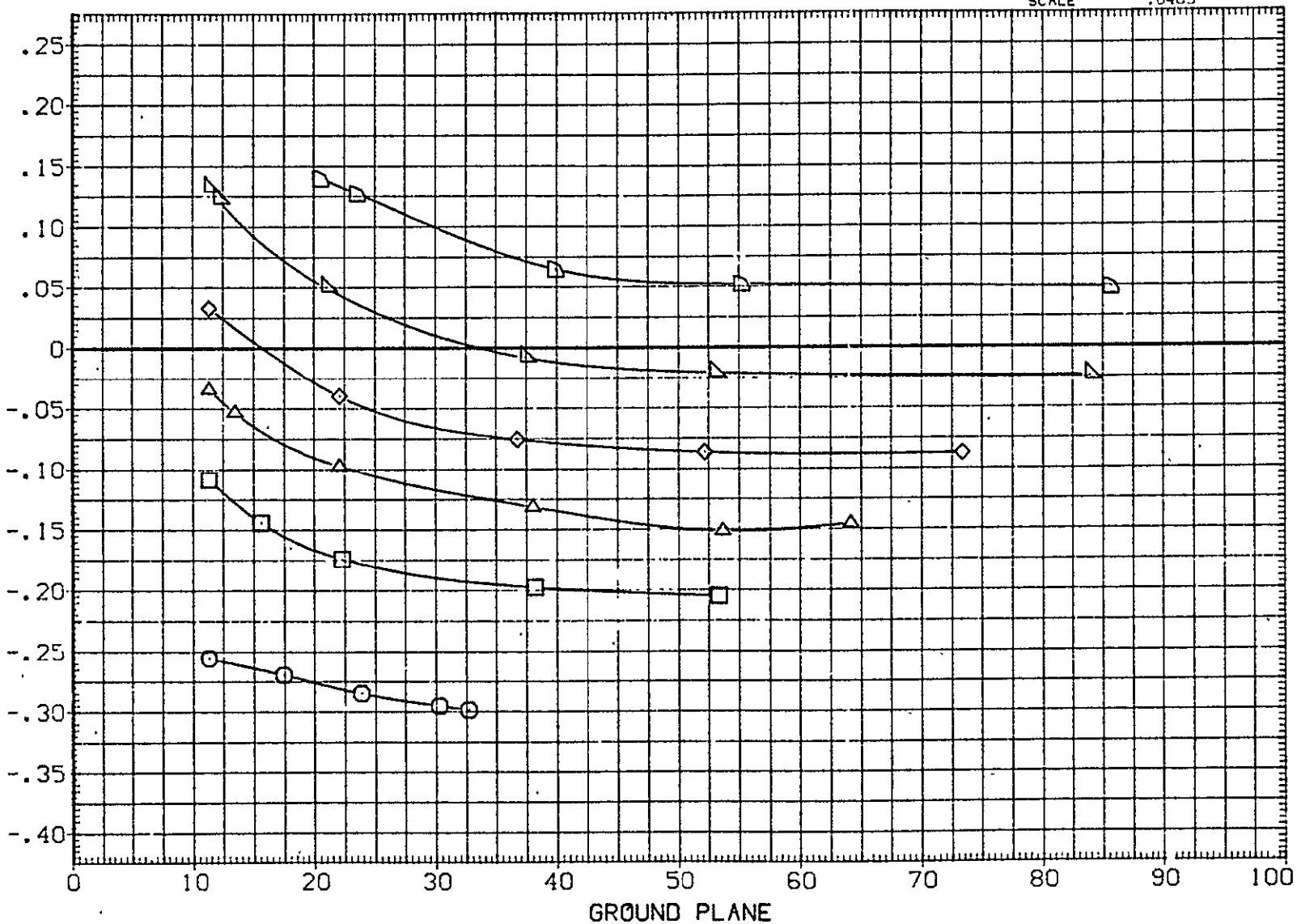

FIG 259 FERRY CON. IN GROUND PROXIMITY. STAB = -4. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.159	3.000	-11.700	.000
(TJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.158	3.000	-11.700	.000
(TJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.110	3.000	-11.700	.000
(TJF154)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.239	3.000	-11.700	.000
(TJF155)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.147	3.000	-11.700	.000
(TJF156)	⬠	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.148	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

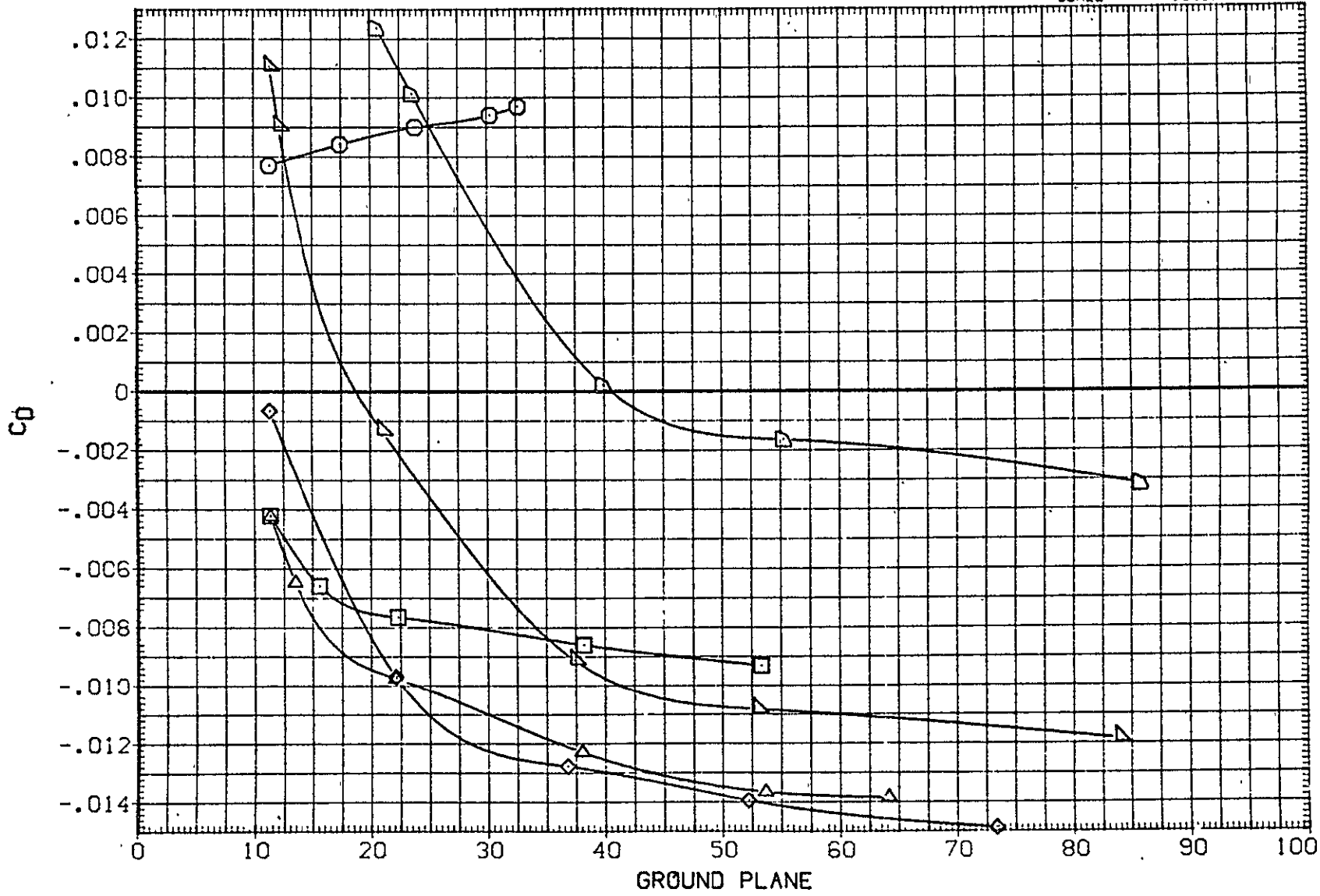

FIG 259 FERRY CON. IN GROUND PROXIMITY. STAB = -4. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF151)	○	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	.159	3.000	-11.700	.000
(TJF152)	□	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	4.158	3.000	-11.700	.000
(TJF153)	◇	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	8.110	3.000	-11.700	.000
(TJF154)	◁	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	6.239	3.000	-11.700	.000
(TJF155)	△	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	10.147	3.000	-11.700	.000
(TJF156)	▷	(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5	12.148	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

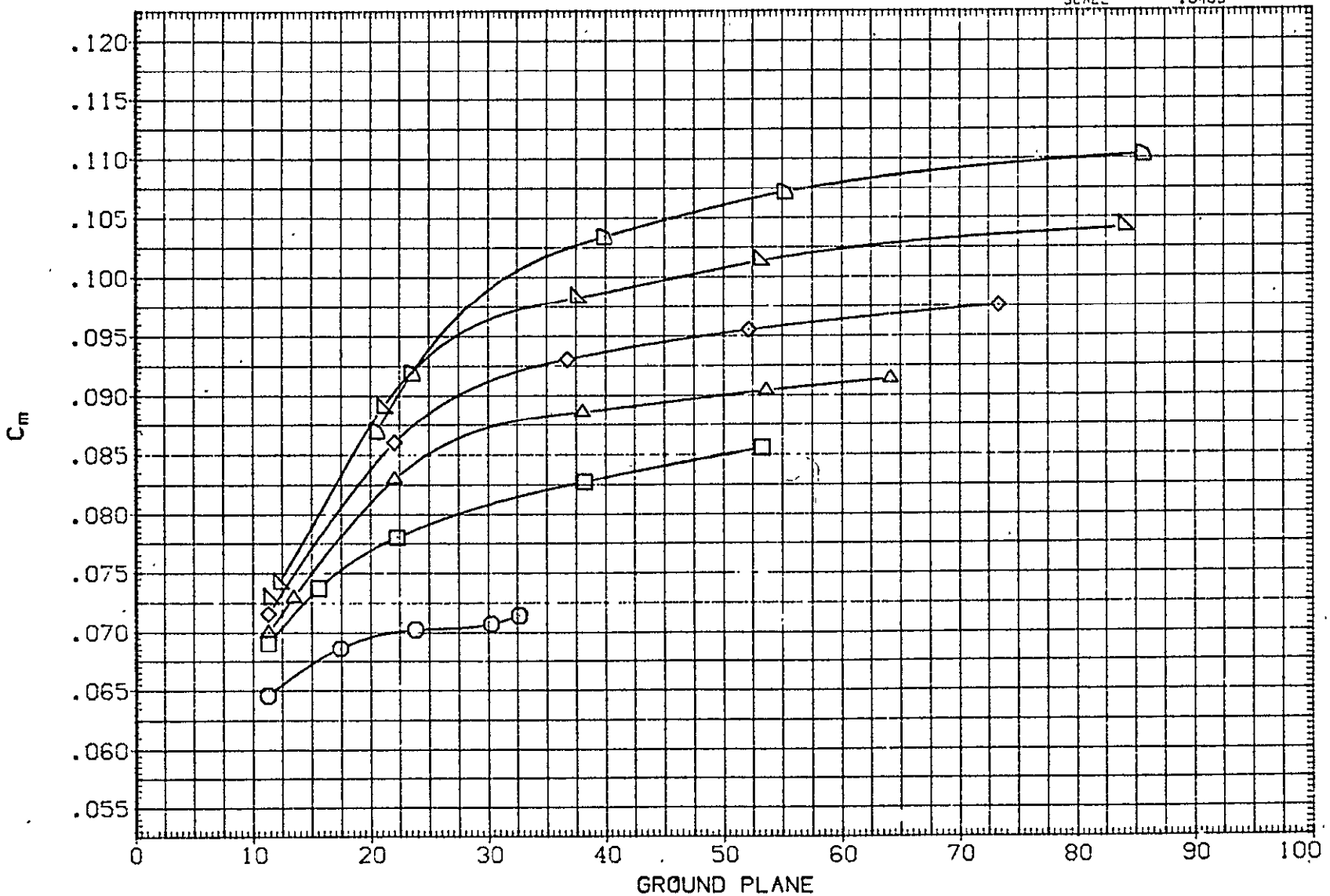

FIG 259 FERRY CON. IN GROUND PROXIMITY. STAB = -4. IORB = 3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.158	3.000	-11.700	.000
(TJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.201	3.000	-11.700	.000
(TJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.049	3.000	-11.700	.000
(TJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.213	3.000	-11.700	.000
(TJF167)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.229	3.000	-11.700	.000
(TJF168)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.130	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

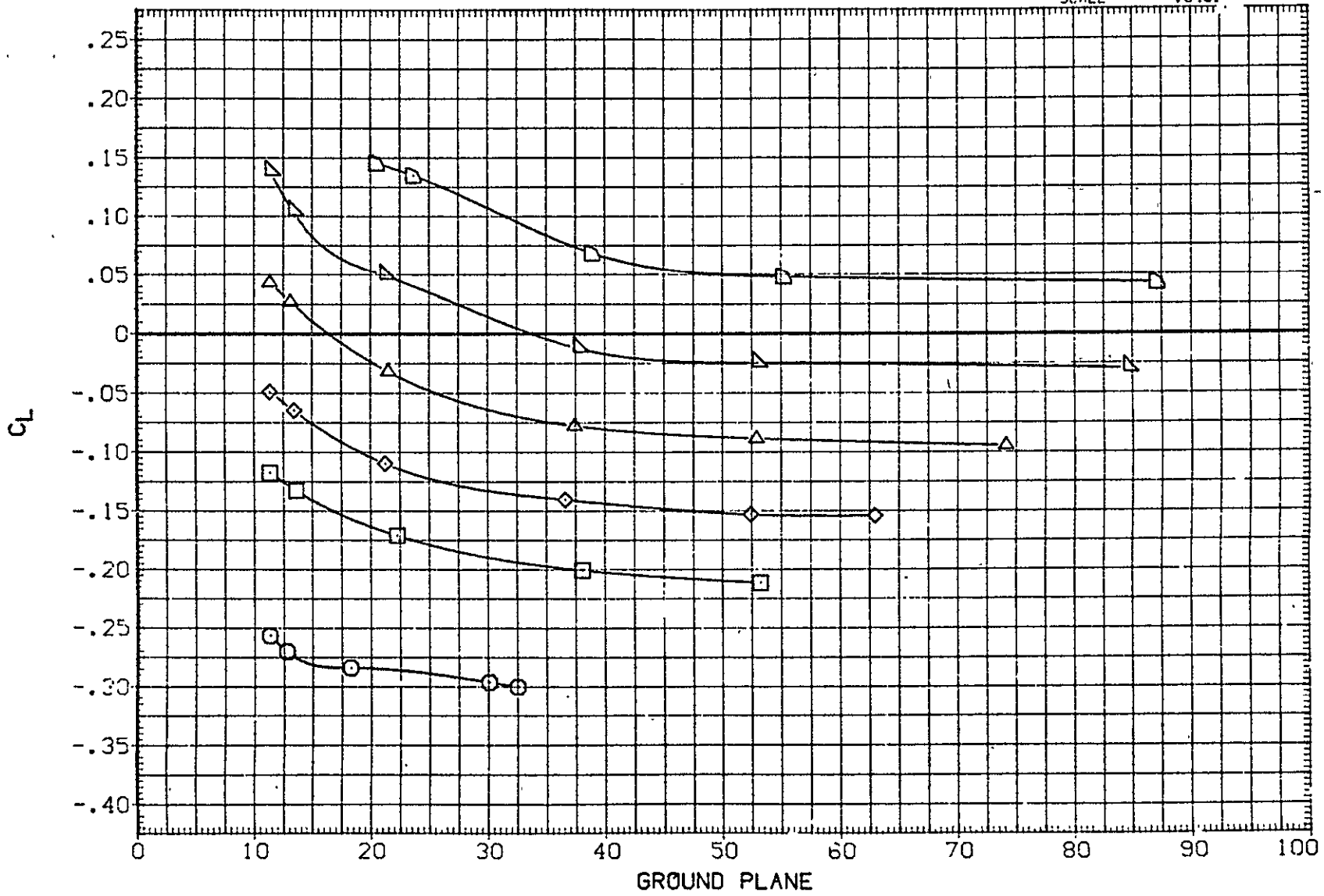

FIG 260 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.158	3.000	-11.700	.000
(TJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.201	3.000	-1[illegible].700	.000
(TJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.049	3.000	-1[illegible].700	.000
(TJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.213	3.000	-1 .700	.000
(TJF167)	◁	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.229	3.000	-1[illegible].700	.000
(TJF168)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.130	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

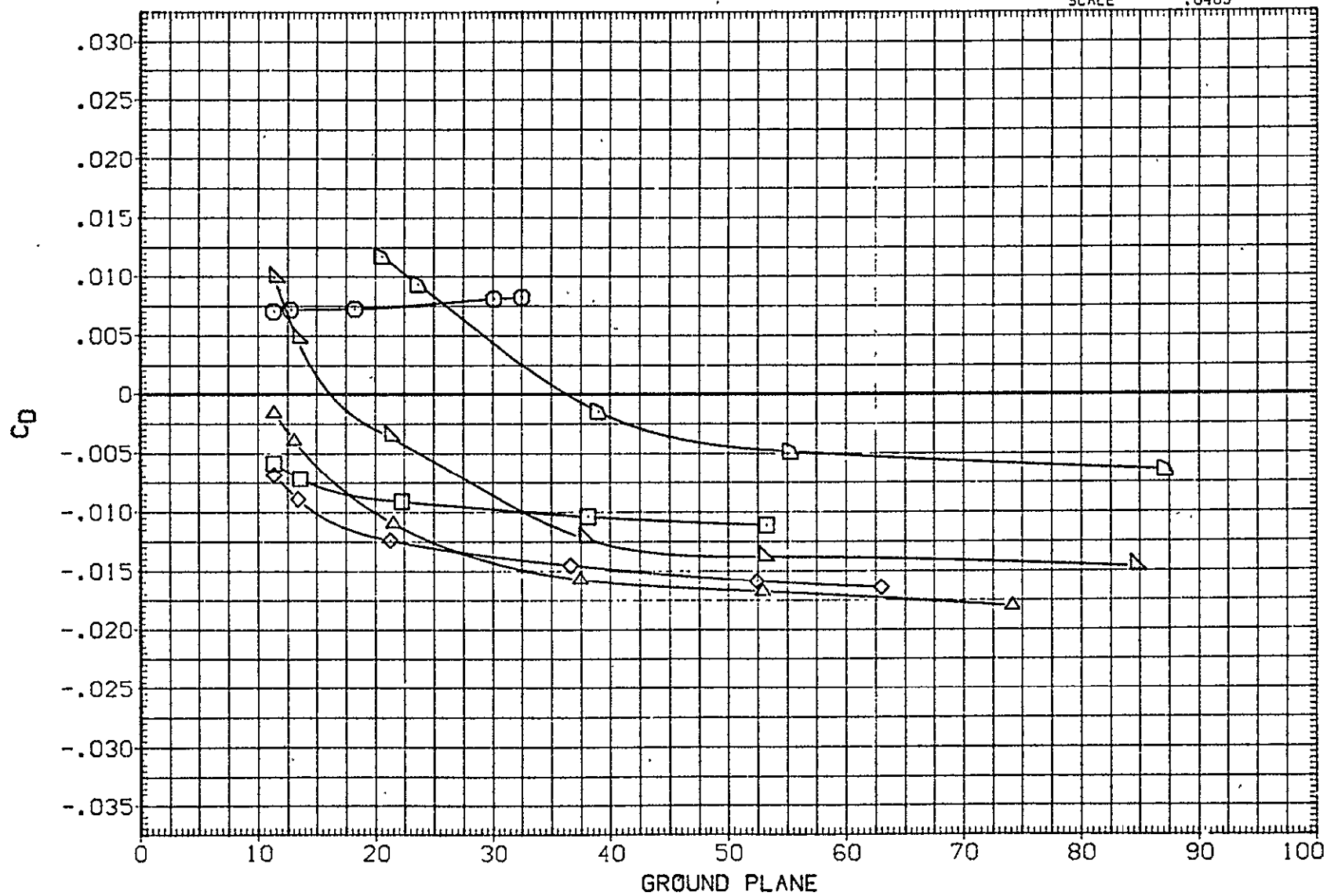

FIG 260 FERRY CON. IN GROUND PROXIMITY. STAB = -2. ELEVTR=-23. IORB=3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF163)	○	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	.158	3.000	-11.700	.000
(TJF164)	□	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	4.201	3.000	-11.700	.000
(TJF165)	◇	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	6.049	3.000	-11.700	.000
(TJF166)	△	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	8.213	3.000	-11.700	.000
(TJF167)	▽	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	10.229	3.000	-11.700	.000
(TJF168)	▷	(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5	12.130	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

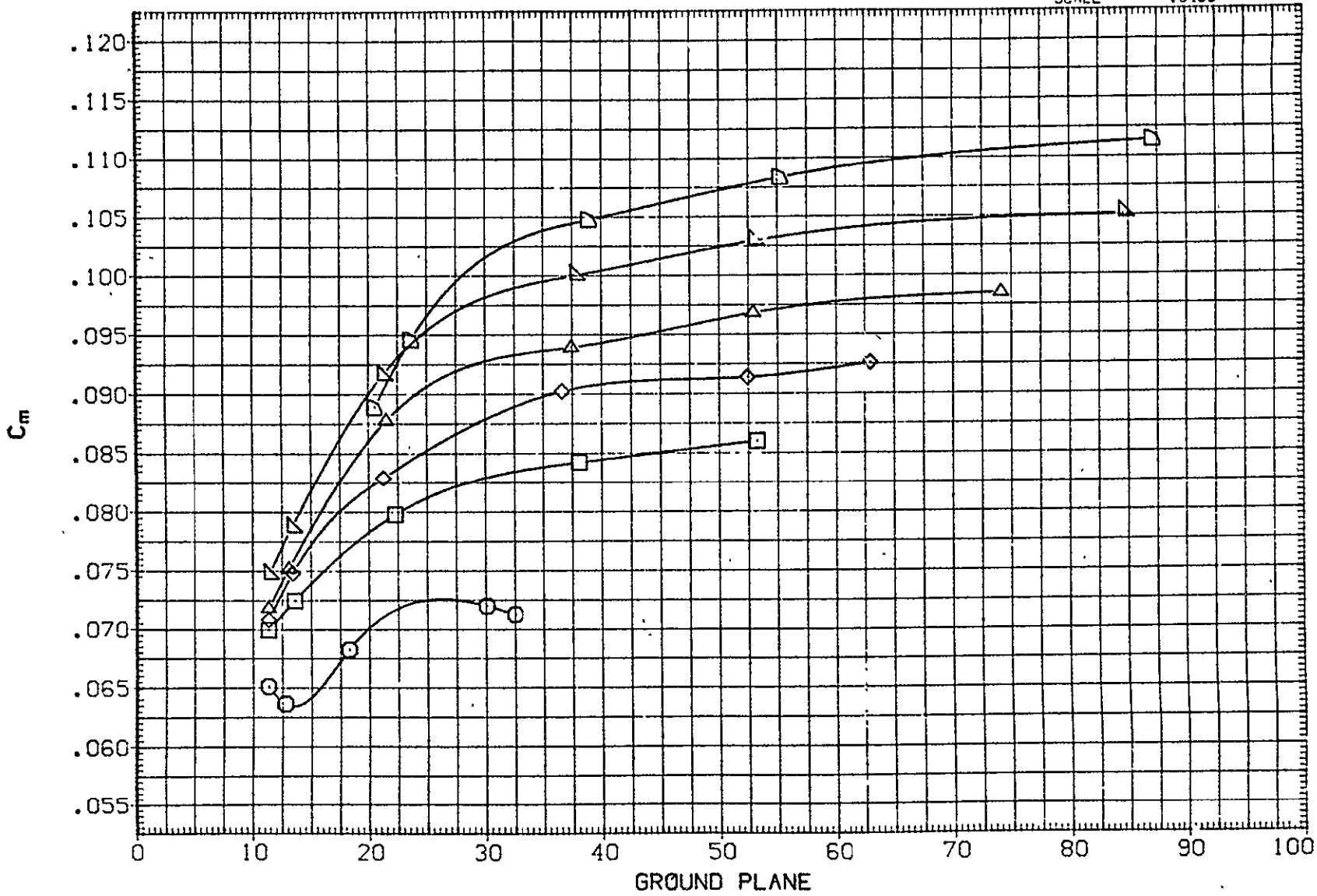

FIG 260 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF193)	○	(CA-8) K3.1TS7	F30TS40165.3.5	.128	6.000	-11.700	-5.000
(TJF194)	□	(CA-8) K3.1TS7	F30TS40165.3.5	4.126	6.000	-11.700	-5.000
(TJF195)	◇	(CA-8) K3.1TS7	F30TS40165.3.5	6.186	6.000	-11.700	-5.000
(TJF196)	△	(CA-8) K3.1TS7	F30TS40165.3.5	8.187	6.000	-11.700	-5.000
(TJF197)	◁	(CA-8) K3.1TS7	F30TS40165.3.5	10.192	6.000	-11.700	-5.000
(TJF198)	▷	(CA-8) K3.1TS7	F30TS40165.3.5	12.168	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

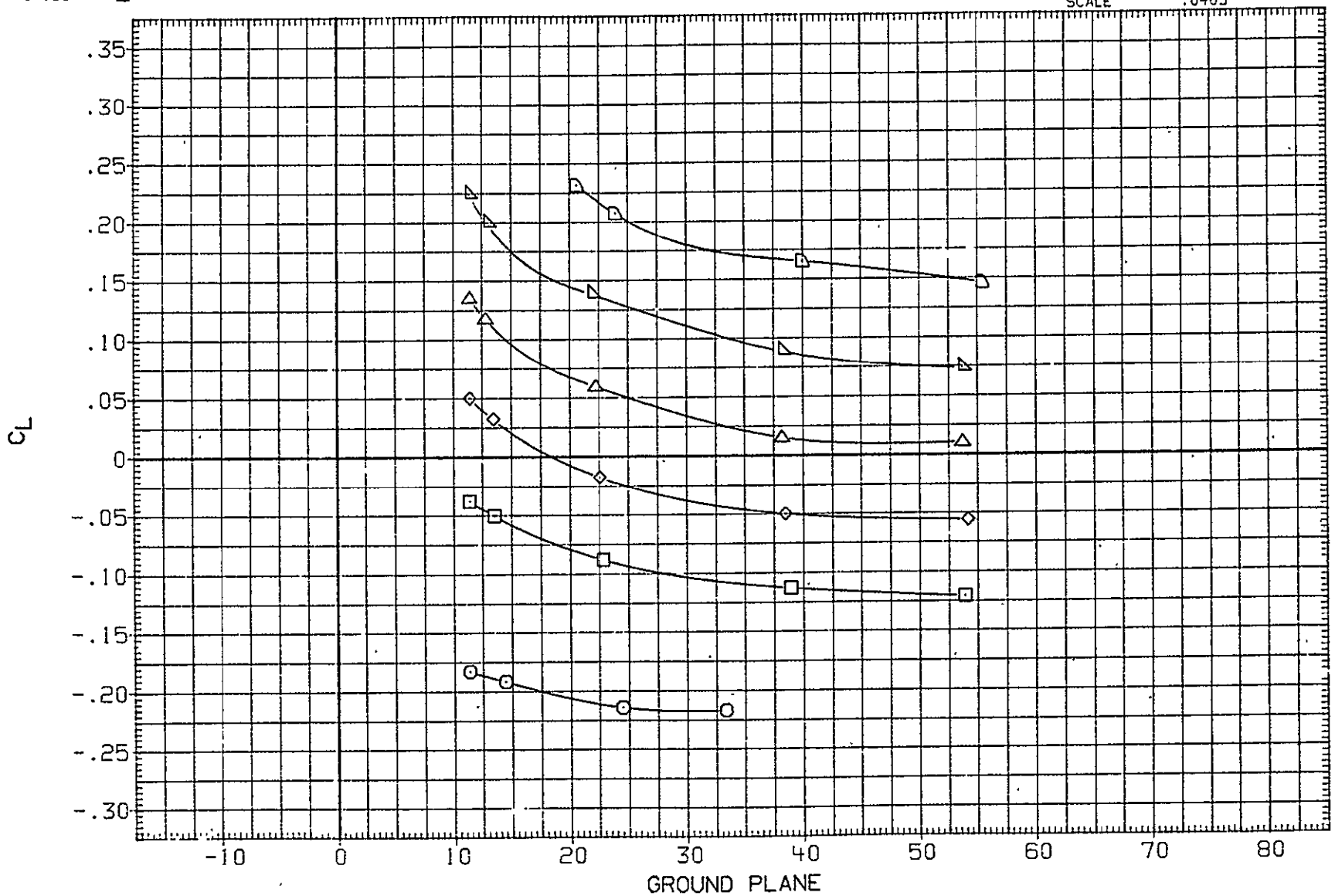

FIG 261 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF193)	○	(CA-8) K3.1TS7 F30TS40IG5.3.5	.128	6.000	-11.700	-5.000
(TJF194)	□	(CA-8) K3.1TS7 F30TS40IG5.3.5	4.126	6.000	-11.700	-5.000
(TJF195)	◇	(CA-8) K3.1TS7 F30TS40IG5.3.5	6.186	6.000	-11.700	-5.000
(TJF196)	△	(CA-8) K3.1TS7 F30TS40IG5.3.5	8.187	6.000	-11.700	-5.000
(TJF197)	▽	(CA-8) K3.1TS7 F30TS40IG5.3.5	10.192	6.000	-11.700	-5.000
(TJF198)	◻	(CA-8) K3.1TS7 F30TS40IG5.3.5	12.168	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

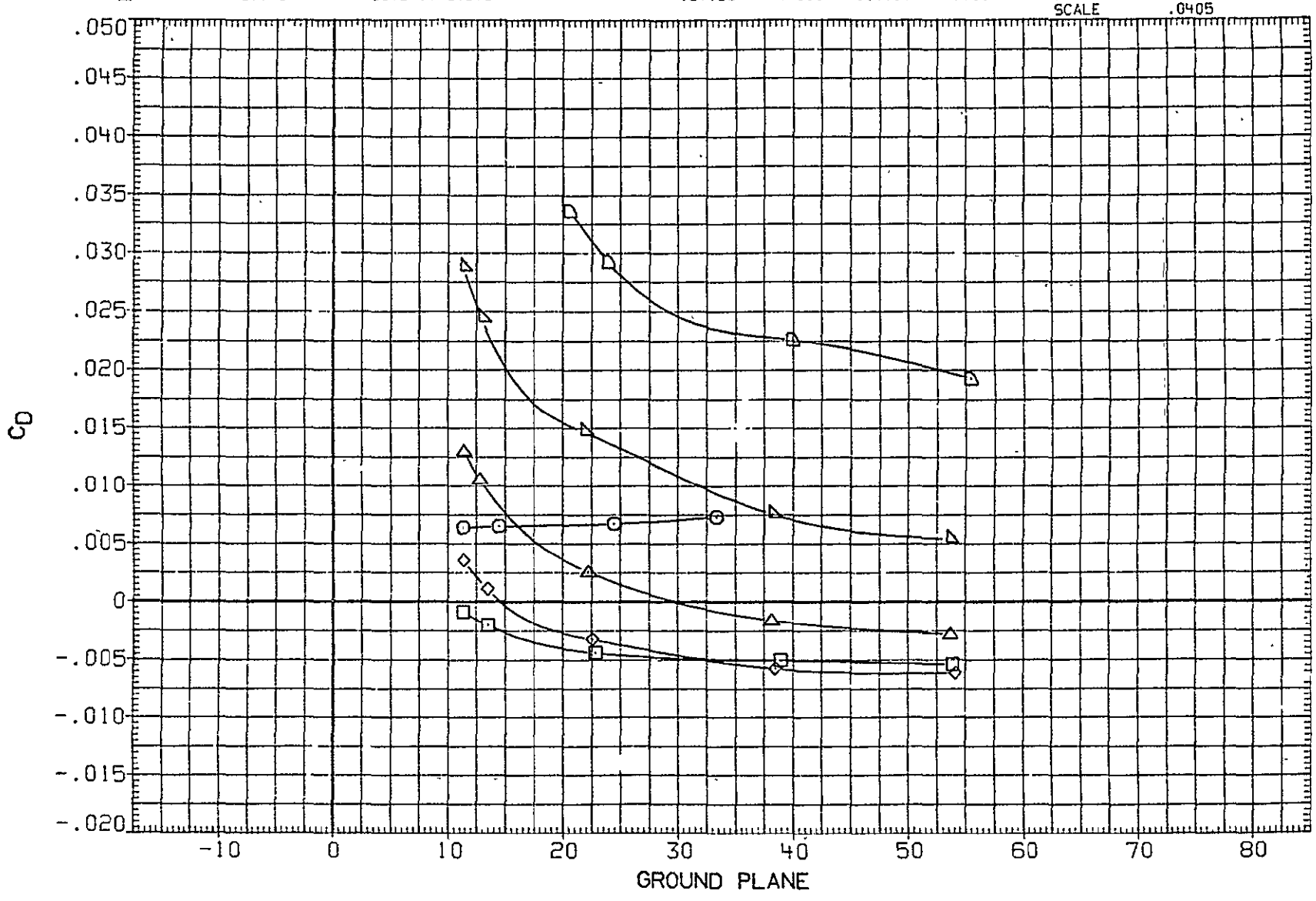

FIG 261 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF193)	○	(CA-8) K3.1TS7	F30TS40IG5.3.5	.128	6.000	-11.700	-5.000
(TJF194)	□	(CA-8) K3.1TS7	F30TS40IG5.3.5	4.126	6.000	-11.700	-5.000
(TJF195)	◇	(CA-8) K3.1TS7	F30TS40IG5.3.5	6.186	6.000	-11.700	-5.000
(TJF196)	△	(CA-8) K3.1TS7	F30TS40IG5.3.5	8.187	6.000	-11.700	-5.000
(TJF197)	◁	(CA-8) K3.1TS7	F30TS40IG5.3.5	10.192	6.000	-11.700	-5.000
(TJF198)	▷	(CA-8) K3.1TS7	F30TS40IG5.3.5	12.168	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

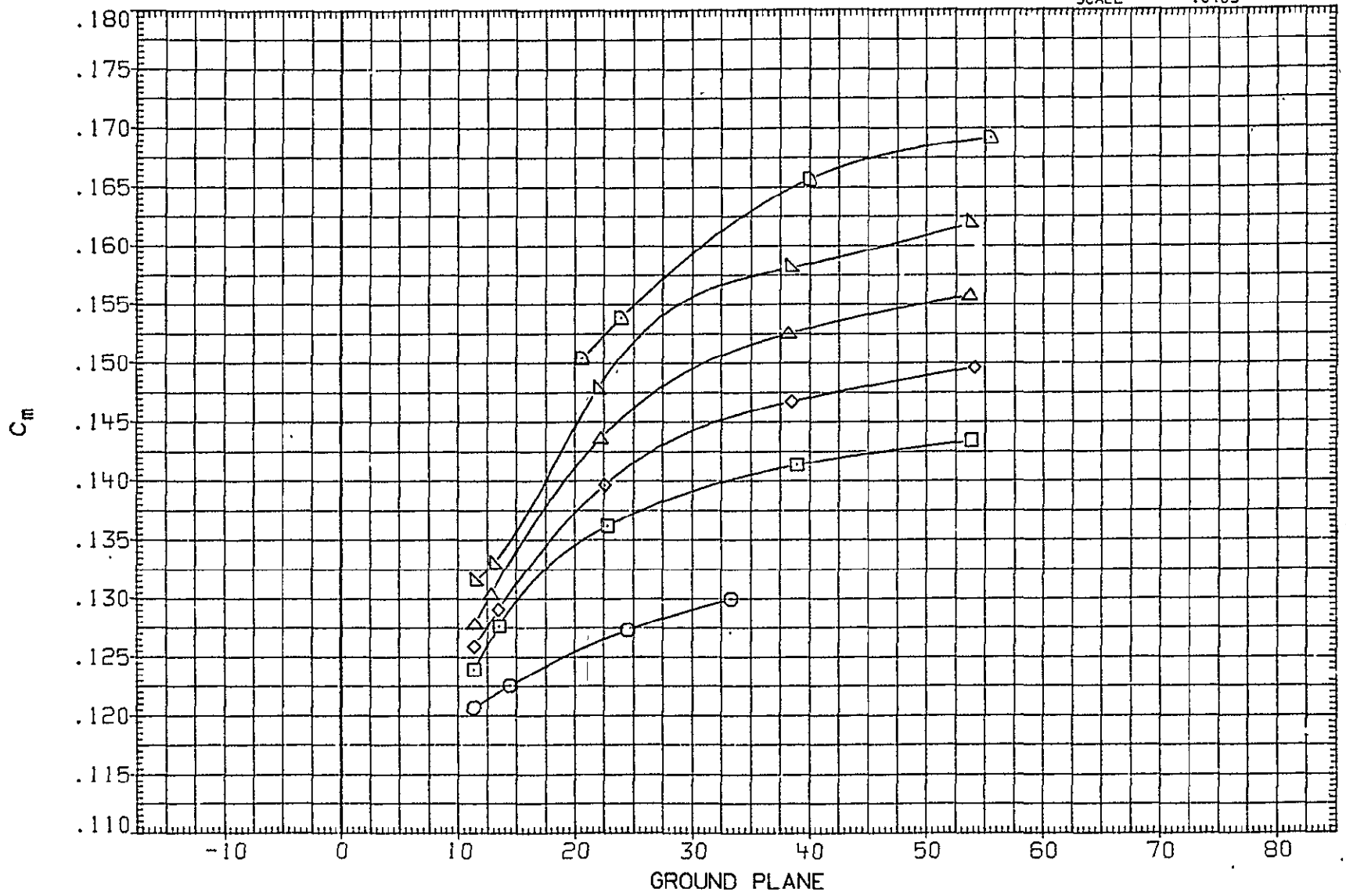

FIG 261 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.151	6.000	-11.700	-5.000
(TJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.171	6.000	-11.700	-5.000
(TJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.173	6.000	-11.700	-5.000
(TJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.173	6.000	-11.700	-5.000
(TJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.137	6.000	-11.700	-5.000
(TJF179)	⬠	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.198	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

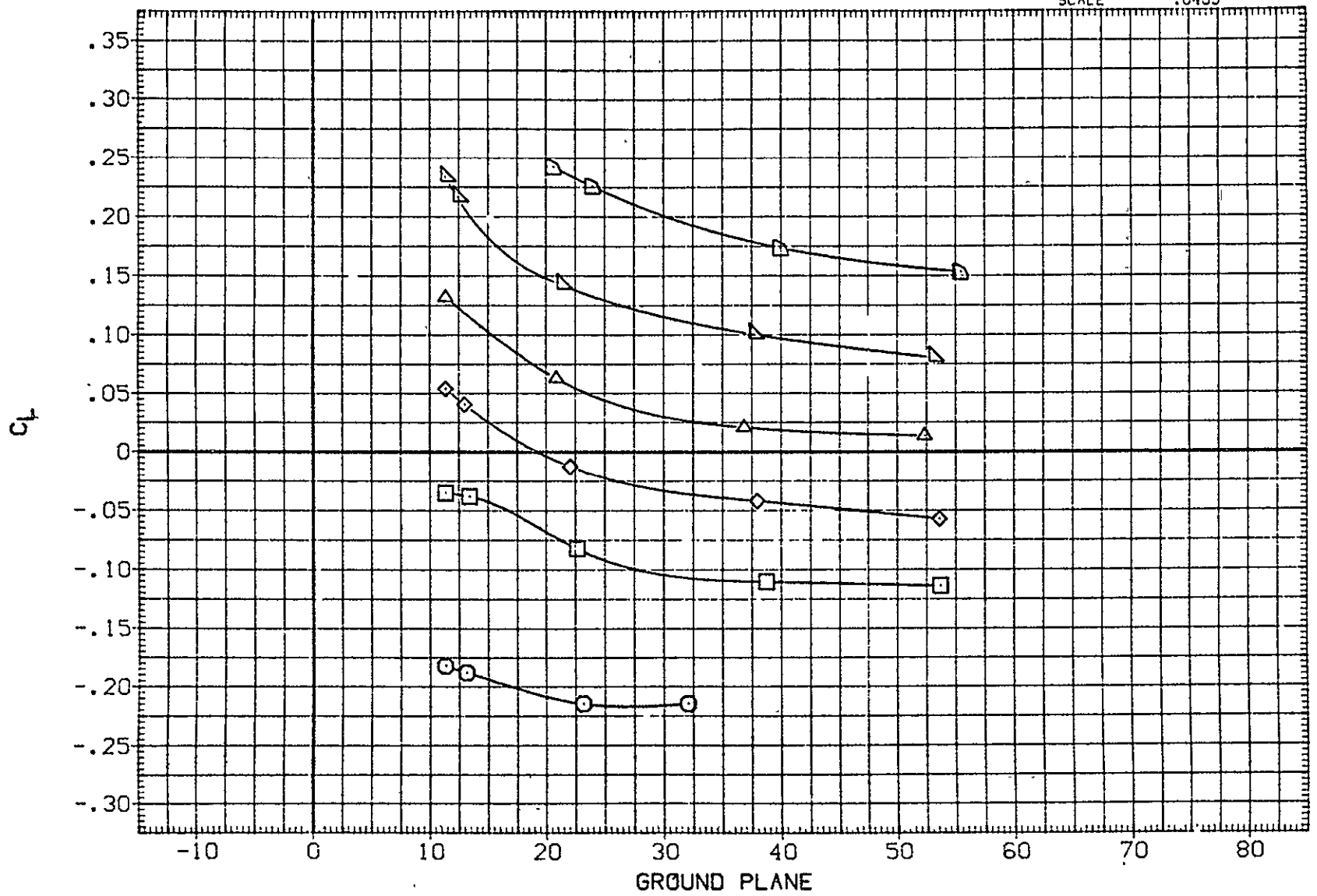

FIG 262 FERRY CON. IN GROUND PROXIMITY. STAB = 2. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.151	6.000	-11.700	-5.000
(TJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.171	6.000	-11.700	-5.000
(TJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.173	6.000	-11.700	-5.000
(TJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.173	6.000	-11.700	-5.000
(TJF178)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	6.000	-11.700	-5.000
(TJF179)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.198	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

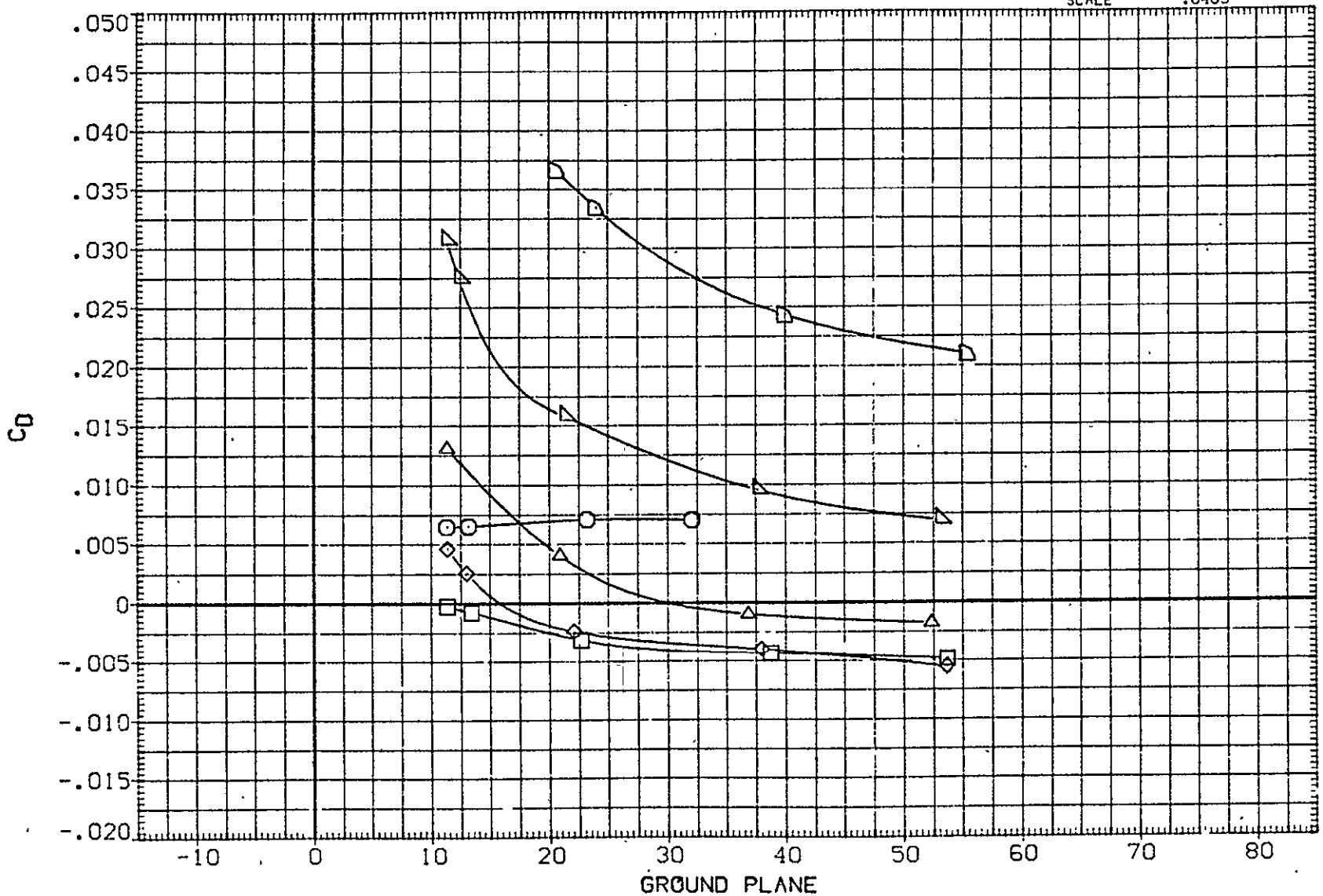

FIG 262 FERRY CON. IN GROUND PROXIMITY, STAB = 2. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF180)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.151	6.000	-11.700	-5.000
(TJF175)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.171	6.000	-11.700	-5.000
(TJF176)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.173	6.000	-11.700	-5.000
(TJF177)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.173	6.000	-11.700	-5.000
(TJF178)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	6.000	-11.700	-5.000
(TJF179)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.198	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

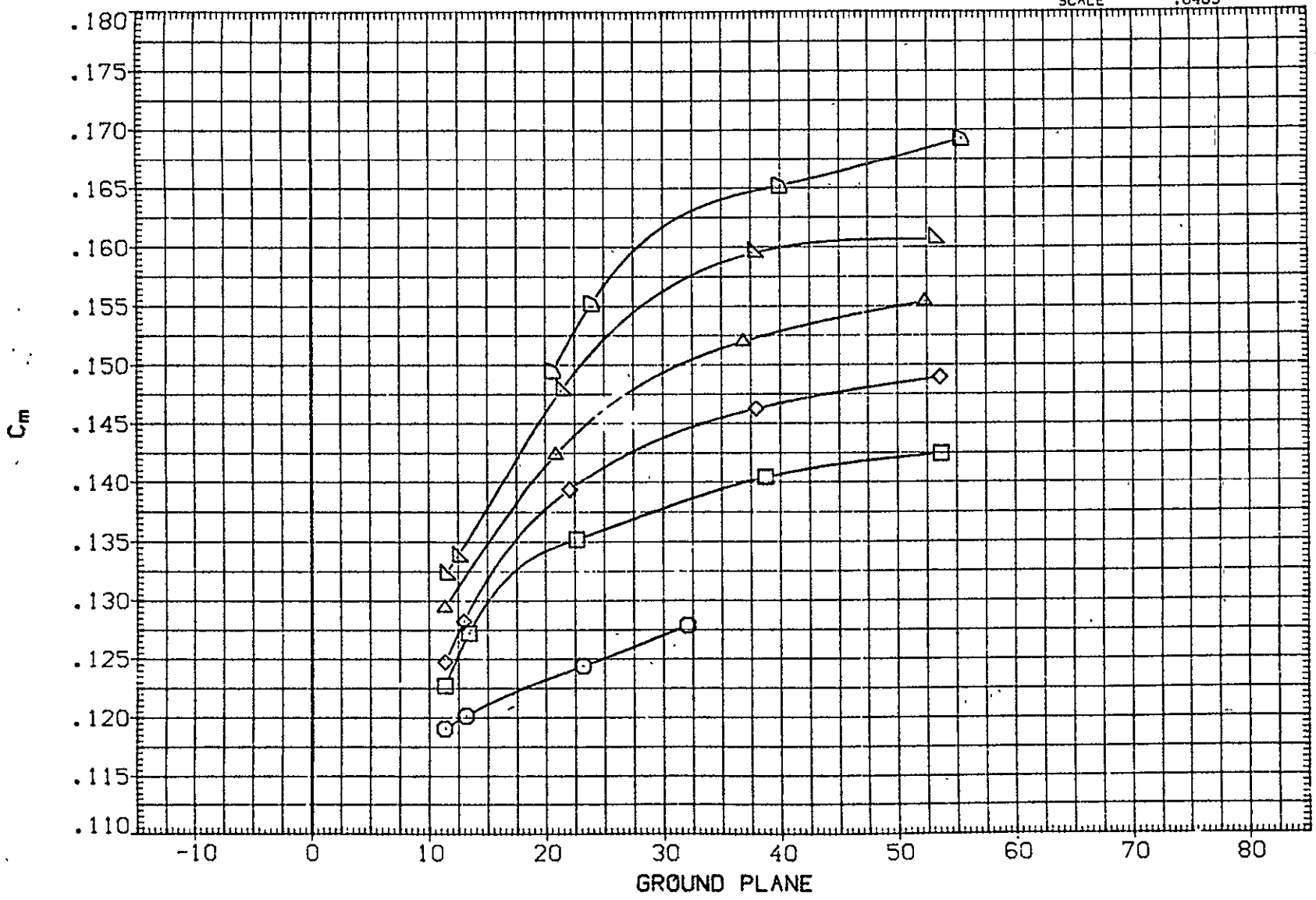

FIG 262 FERRY CON. IN GROUND PROXIMITY. STAB = 2. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF181)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000
(TJF182)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000
(TJF183)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000
(TJF184)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000
(TJF185)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000
(TJF186)	⬠	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

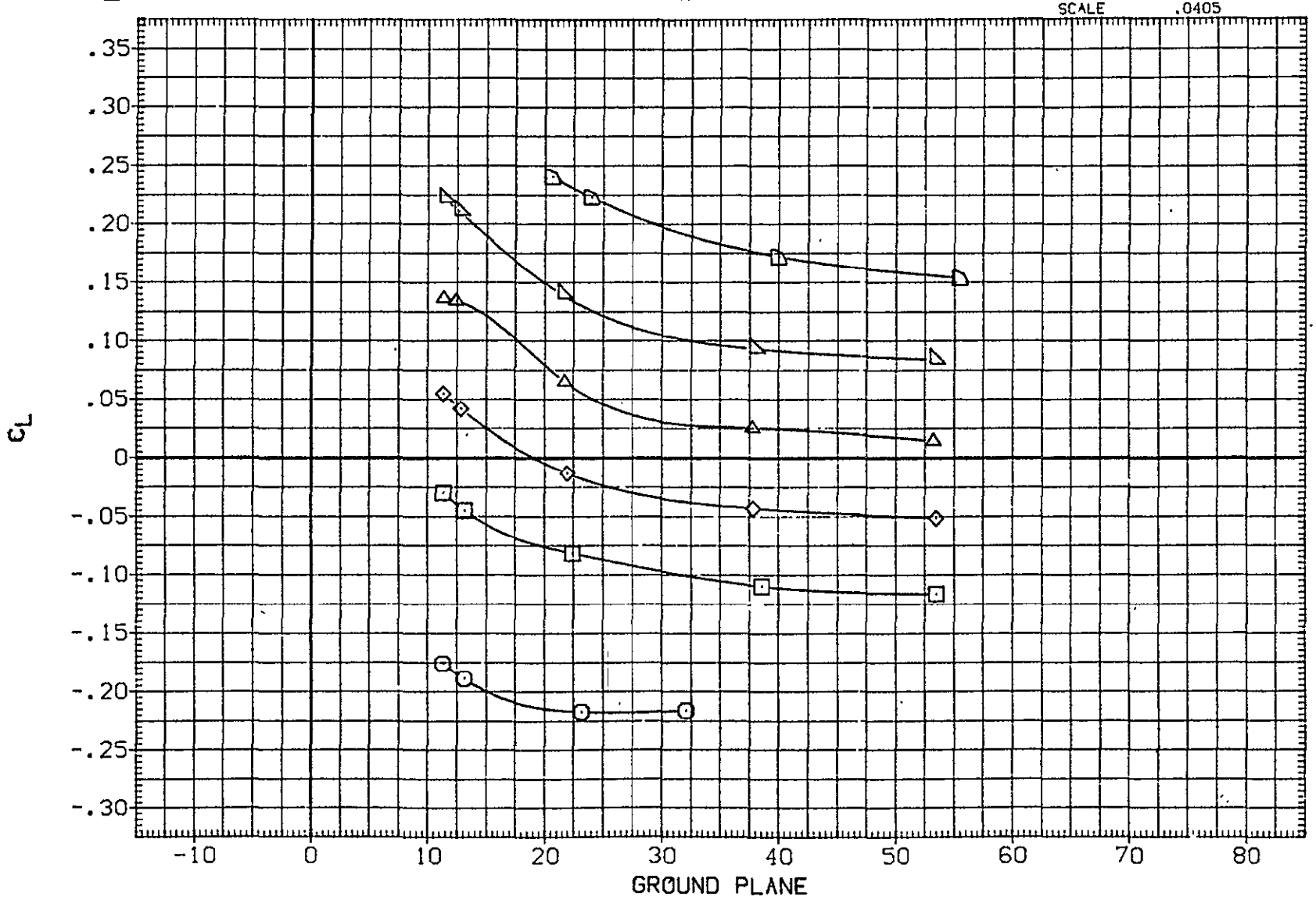

FIG 263 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	RDFLAP	ELEVON
(TJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000
(TJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000
(TJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000
(TJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000
(TJF185)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000
(TJF186)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

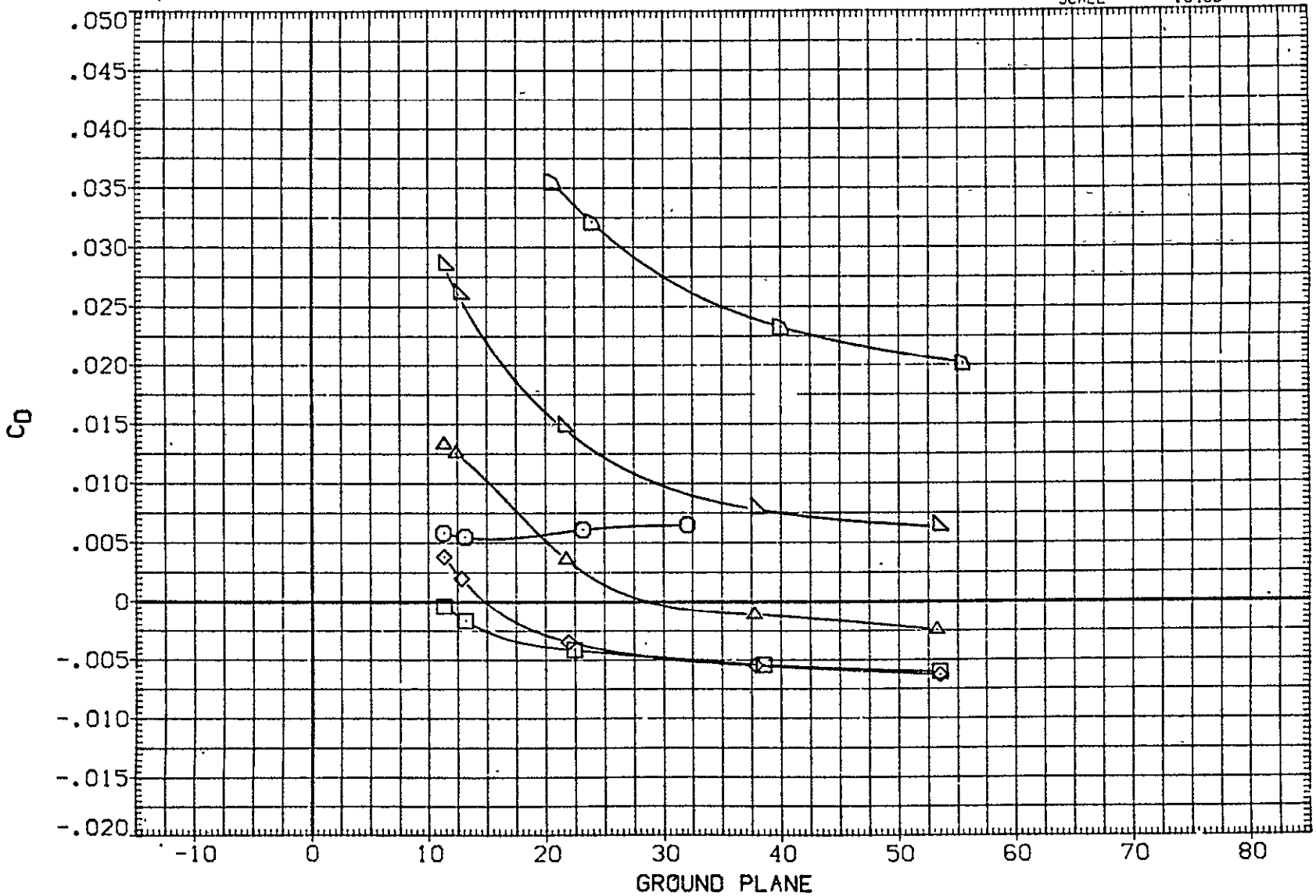

FIG 263 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF181)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.167	6.000	-11.700	-5.000
(TJF182)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.137	6.000	-11.700	-5.000
(TJF183)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.180	6.000	-11.700	-5.000
(TJF184)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.158	6.000	-11.700	-5.000
(TJF185)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.175	6.000	-11.700	-5.000
(TJF186)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.161	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

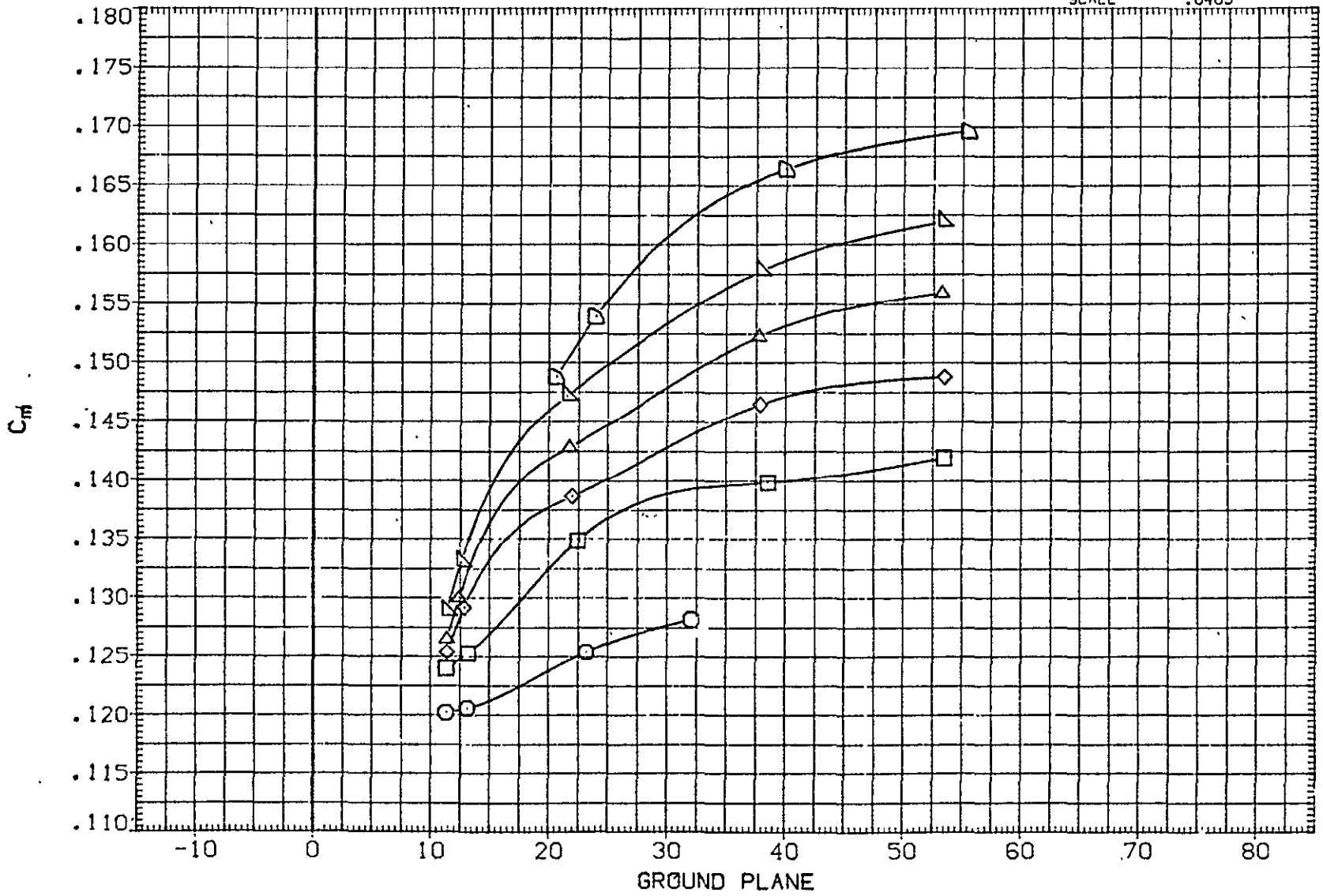

FIG 263 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.179	6.000	-11.700	-5.000
(TJF188)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.122	6.000	-11.700	-5.000
(TJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.123	6.000	-11.700	-5.000
(TJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.153	6.000	-11.700	-5.000
(TJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.190	6.000	-11.700	-5.000
(TJF192)	⬠	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.151	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

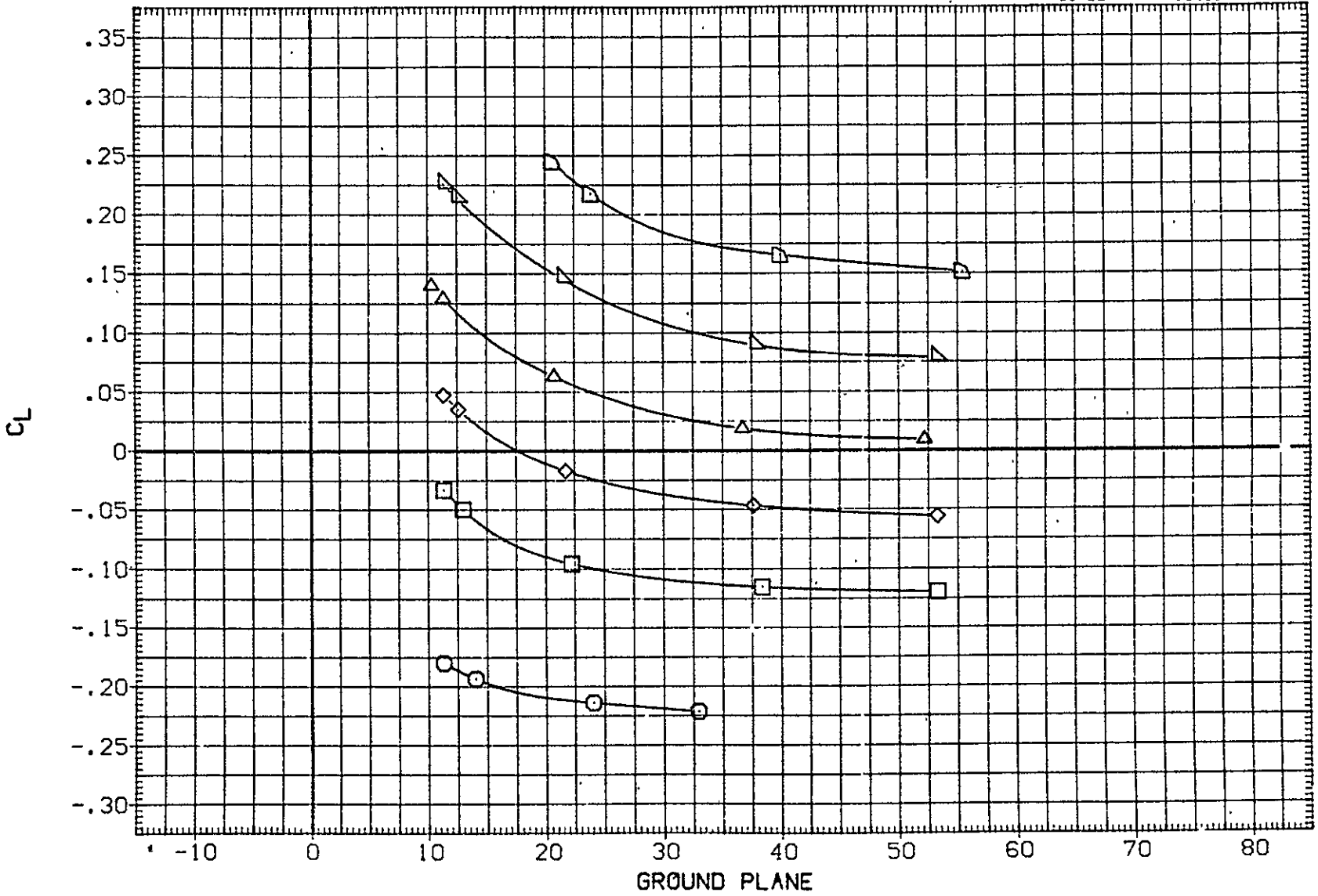

FIG 264 FERRY CON. IN GROUND PROXIMITY. STAB = -2. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BODFLAP	ELEVON
(TJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	.179	6.000	-11.700	-5.000
(TJF188)	□	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	4.122	6.000	-11.700	-5.000
(TJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	6.123	6.000	-11.700	-5.000
(TJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	8.153	6.000	-11.700	-5.000
(TJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	10.190	6.000	-11.700	-5.000
(TJF192)	▷	(CA-8) K3.1TS7H15.6.1F30TS40105.3.5	12.151	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

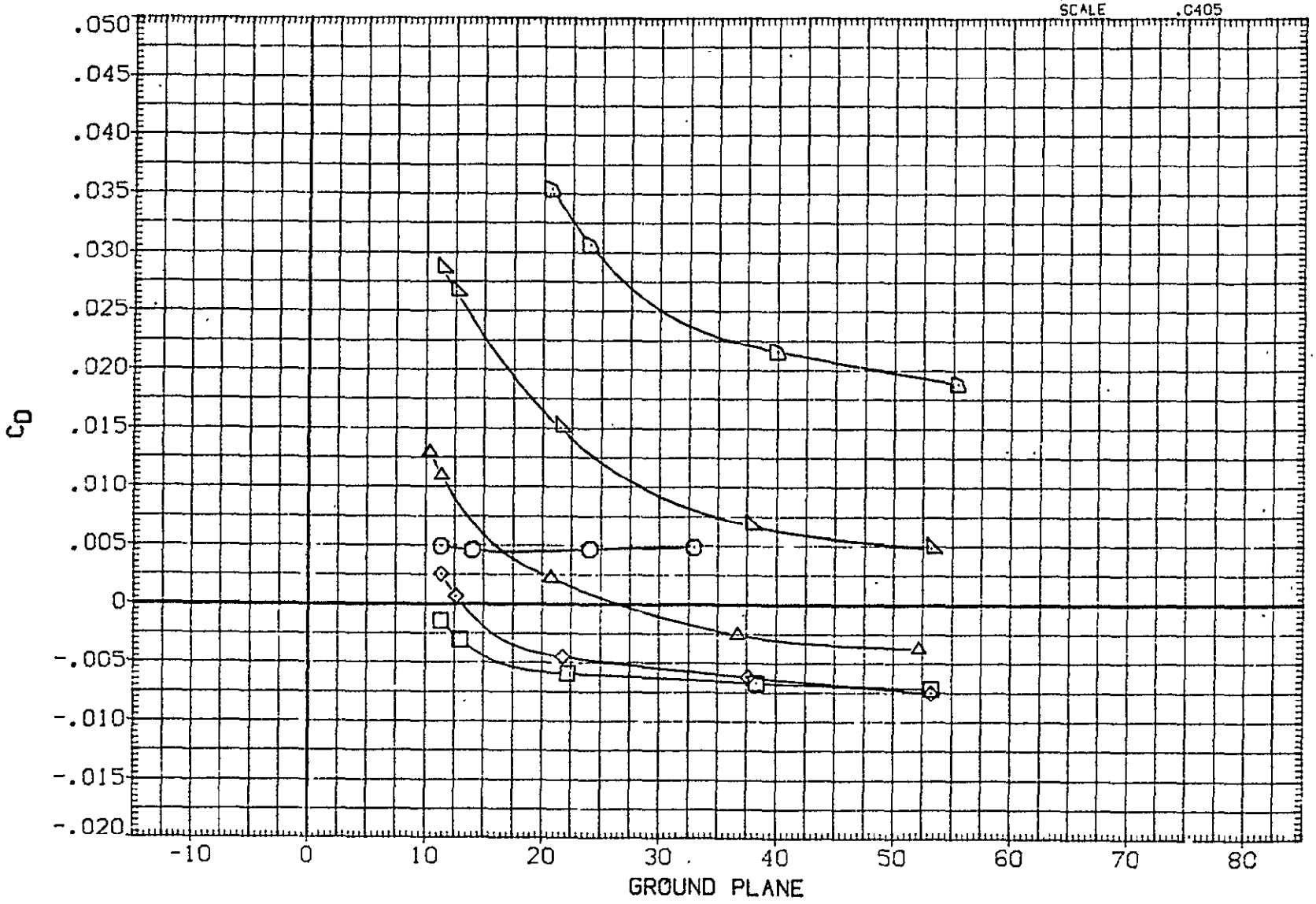

FIG 264 FERRY CON. IN GROUND PROXIMITY, STAB = -2, ELEVTR=-23, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF187)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.179	6.000	-11.700	-5.000
(TJF188)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.122	6.000	-11.700	-5.000
(TJF189)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.123	6.000	-11.700	-5.000
(TJF190)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.153	6.000	-11.700	-5.000
(TJF191)	▽	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.190	6.000	-11.700	-5.000
(TJF192)	▷	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.151	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

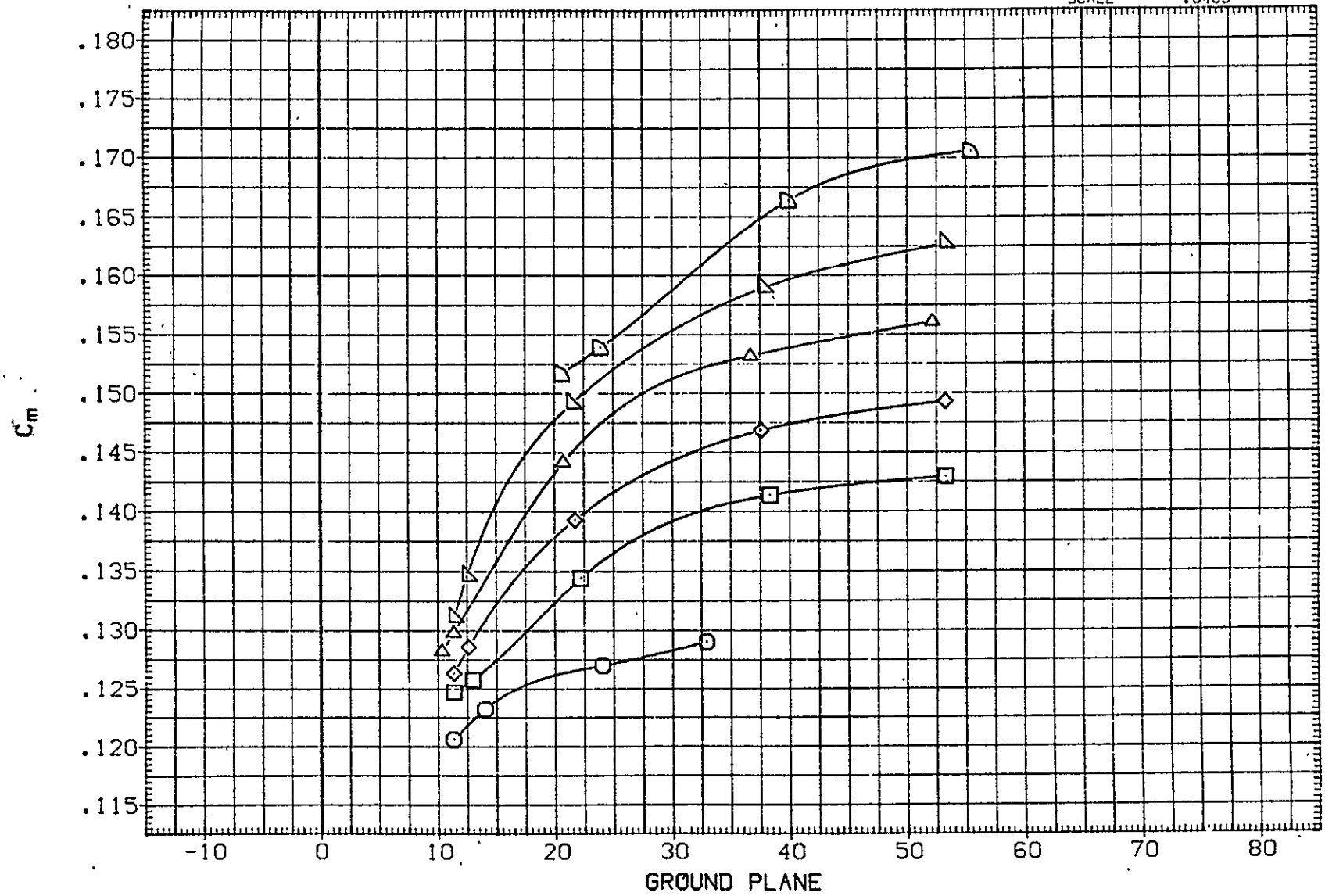

FIG 264 FERRY CON. IN GROUND PROXIMITY. STAB = -2. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF199)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5
(TJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5
(TJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5
(TJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5
(TJF203)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5
(TJF204)	⬠	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.171	6.000	-11.700	-5.000
4.098	6.000	-11.700	-5.000
6.137	6.000	-11.700	-5.000
8.191	6.000	-11.700	-5.000
10.129	6.000	-11.700	-5.000
12.192	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

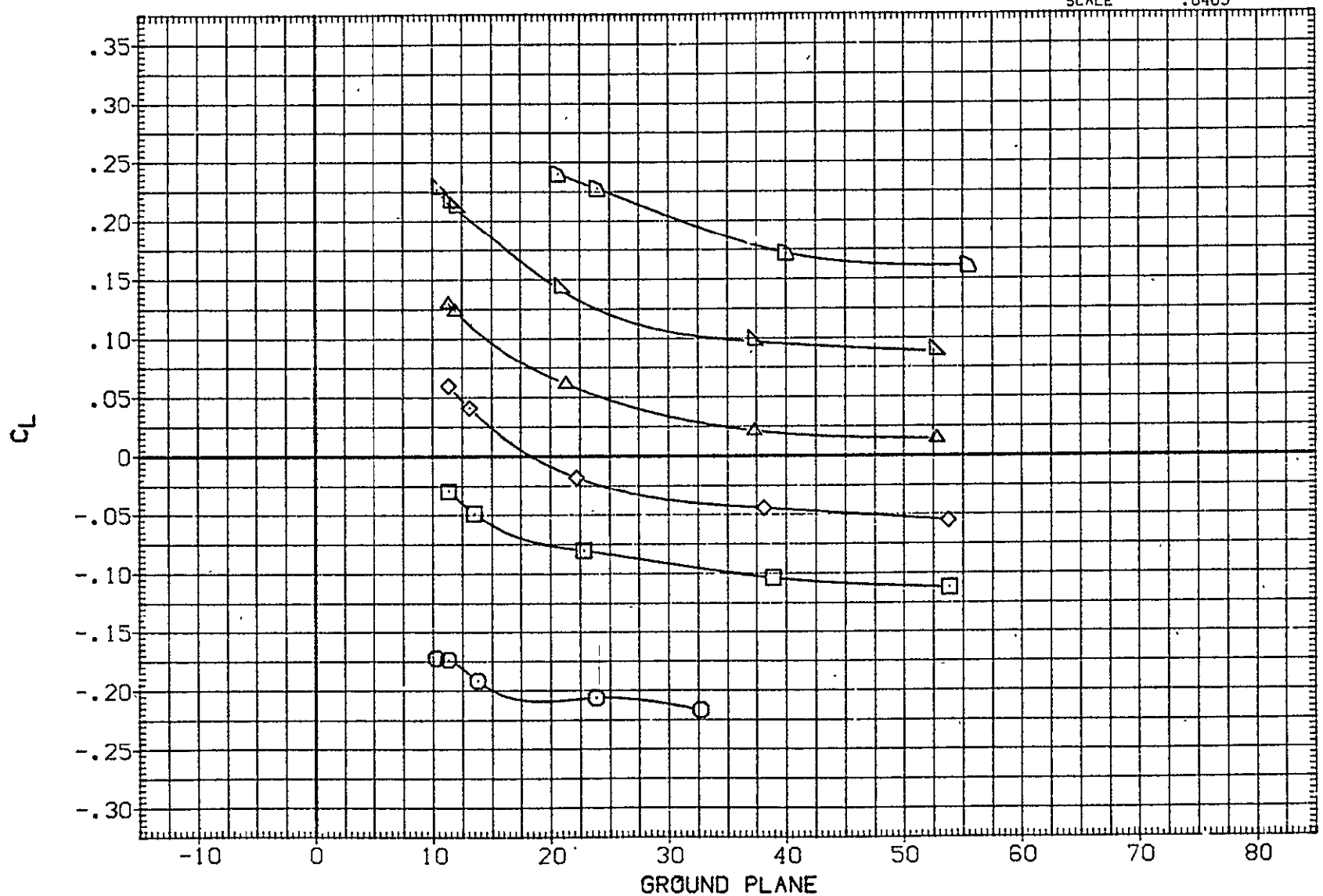

FIG 265 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF199)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.171	6.000	-11.700	-5.000
(TJF200)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.098	6.000	-11.700	-5.000
(TJF201)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.137	6.000	-11.700	-5.000
(TJF202)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.191	6.000	-11.700	-5.000
(TJF203)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.129	6.000	-11.700	-5.000
(TJF204)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.192	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

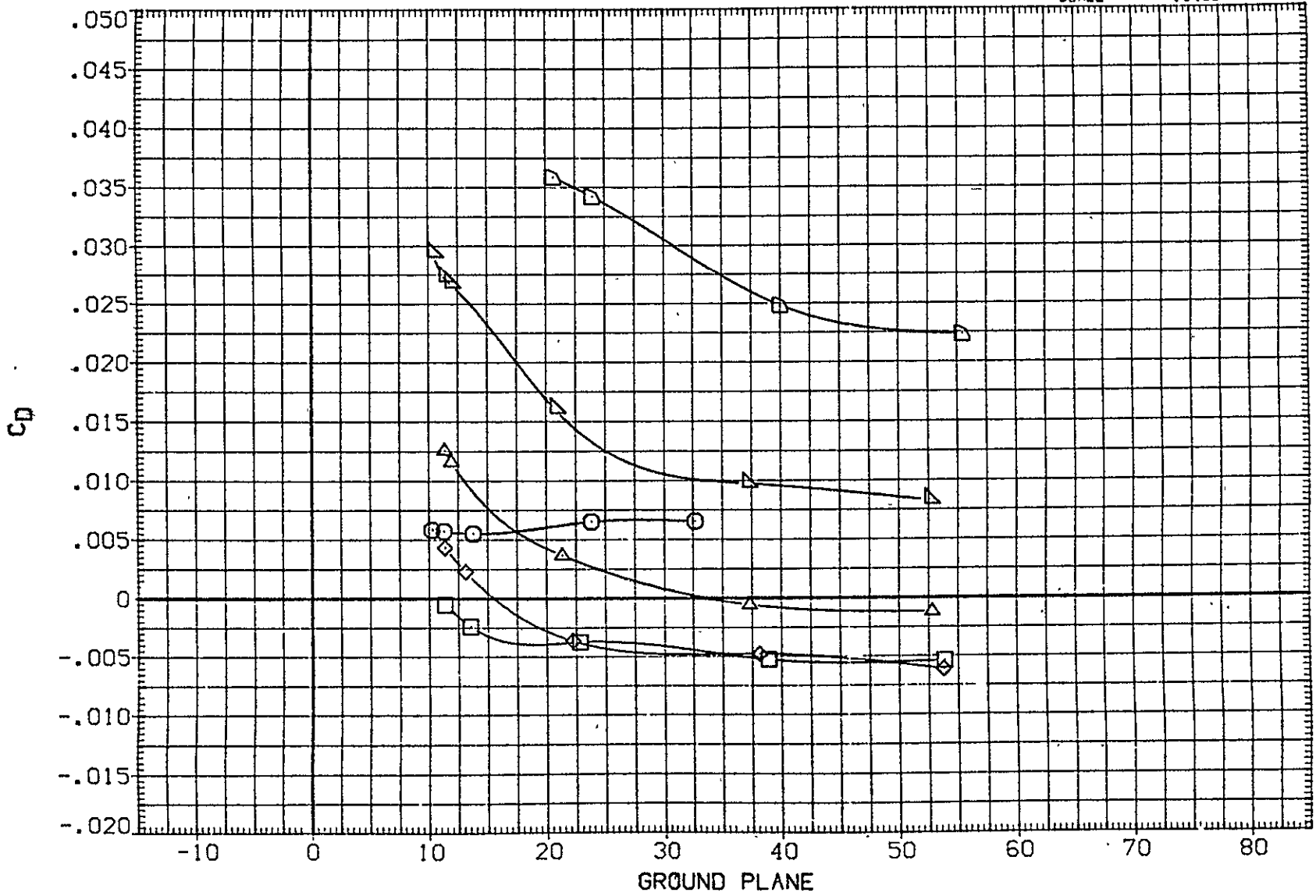

FIG 265 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR= 17. IORB=6. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF199)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.171	6.000	-11.700	-5.000
(TJF200)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.098	6.000	-11.700	-5.000
(TJF201)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.137	6.000	-11.700	-5.000
(TJF202)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.191	6.000	-11.700	-5.000
(TJF203)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.129	6.000	-11.700	-5.000
(TJF204)		(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.192	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

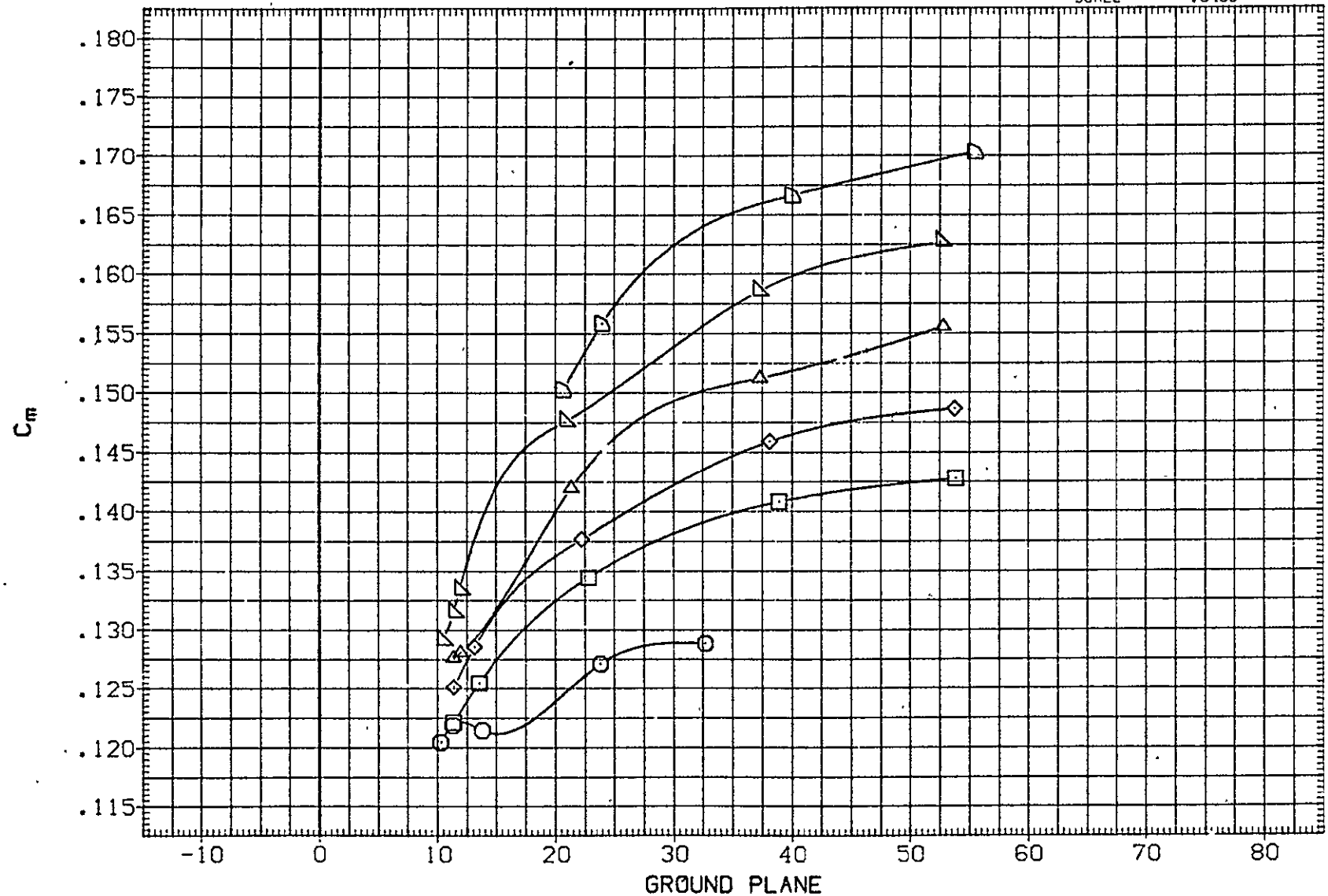

FIG 265 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.183	6.000	-11.700	-5.000
(TJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.177	6.000	-11.700	-5.000
(TJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.229	6.000	-11.700	-5.000
(TJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.146	6.000	-11.700	-5.000
(TJF173)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.106	6.000	-11.700	-5.000
(TJF174)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.126	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

FIG 266 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.183	6.000	-11.700	-5.000
(TJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.177	6.000	-11.700	-5.000
(TJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.229	6.000	-11.700	-5.000
(TJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.146	6.000	-11.700	-5.000
(TJF173)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.106	6.000	-11.700	-5.000
(TJF174)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.126	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

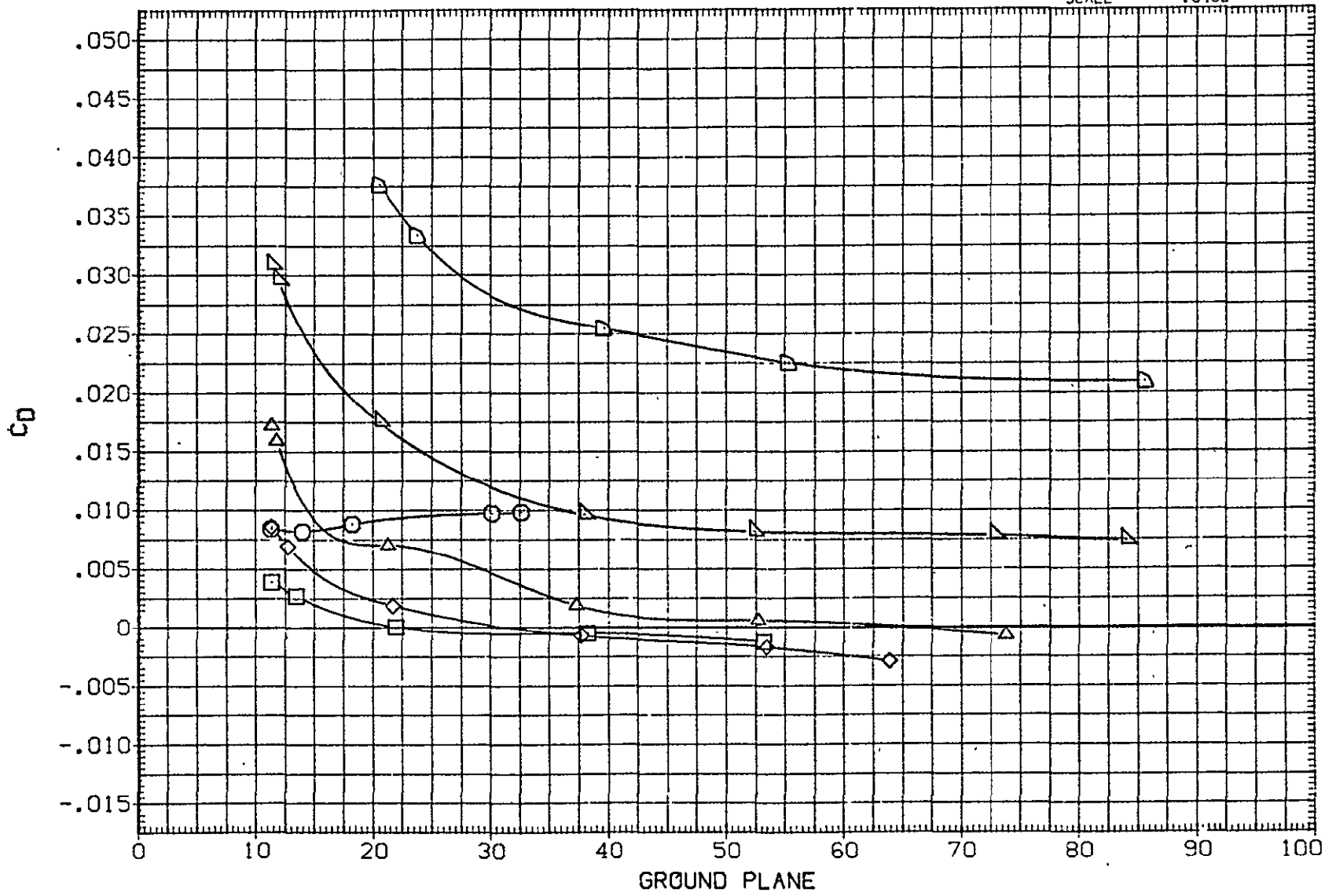

FIG 266 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF169)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.183	6.000	-11.700	-5.000
(TJF170)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.177	6.000	-11.700	-5.000
(TJF171)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.229	6.000	-11.700	-5.000
(TJF172)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.146	6.000	-11.700	-5.000
(TJF173)	◺	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.106	6.000	-11.700	-5.000
(TJF174)	▱	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.126	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMPP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

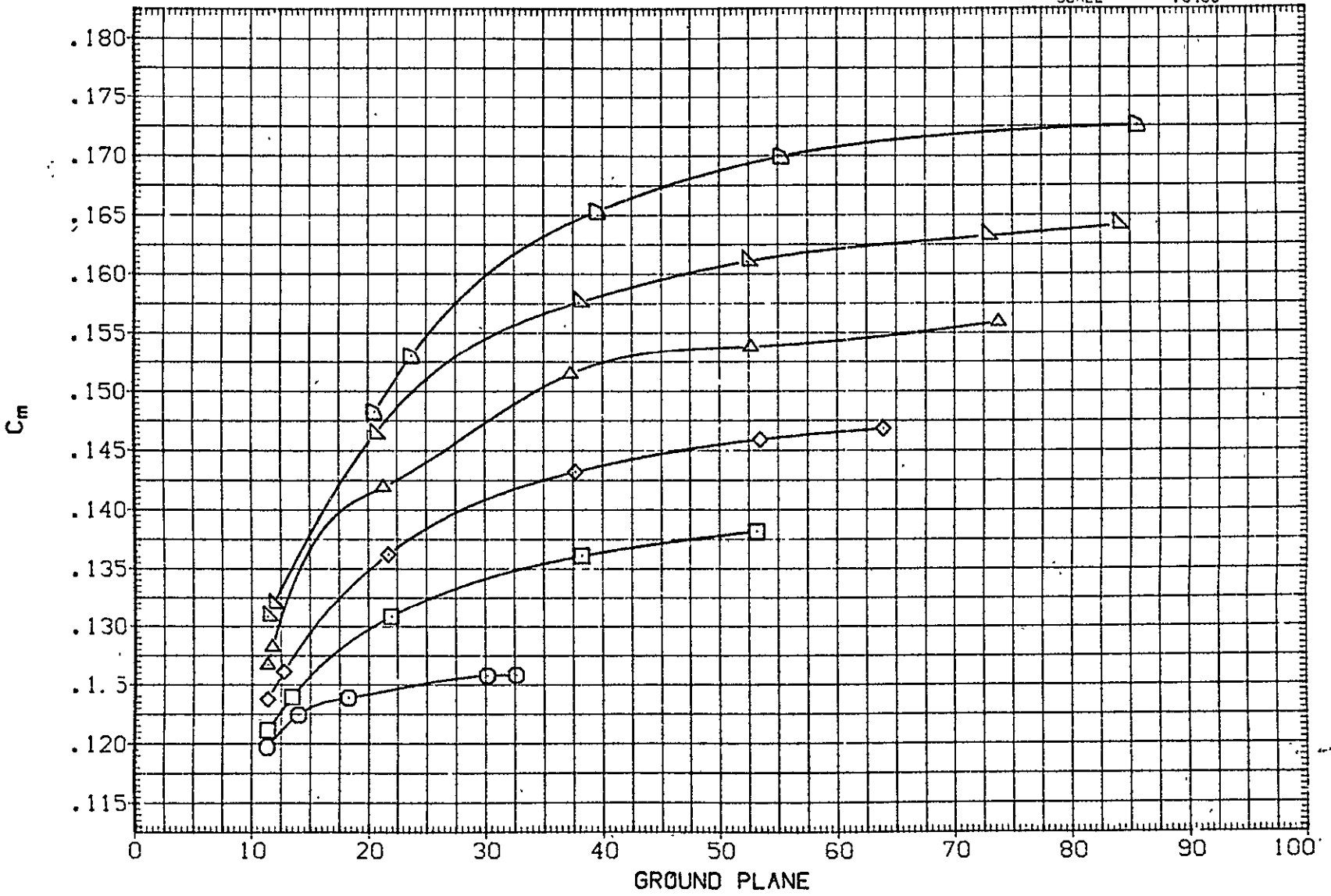

FIG 266 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF404)	○	(CA-8) K2.1TS7	F10TS401G5.3.5	.144	3.000	-11.700	.000
(TJF405)	□	(CA-8) K2.1TS7	F10TS401G5.3.5	4.201	3.000	-11.700	.000
(TJF406)	◇	(CA-8) K2.1TS7	F10TS401G5.3.5	6.129	3.000	-11.700	.000
(TJF407)	△	(CA-8) K2.1TS7	F10TS401G5.3.5	8.129	3.000	-11.700	.000
(TJF408)	◁	(CA-8) K2.1TS7	F10TS401G5.3.5	10.123	3.000	-11.700	.000
(TJF409)	▱	(CA-8) K2.1TS7	F10TS401G5.3.5	12.202	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

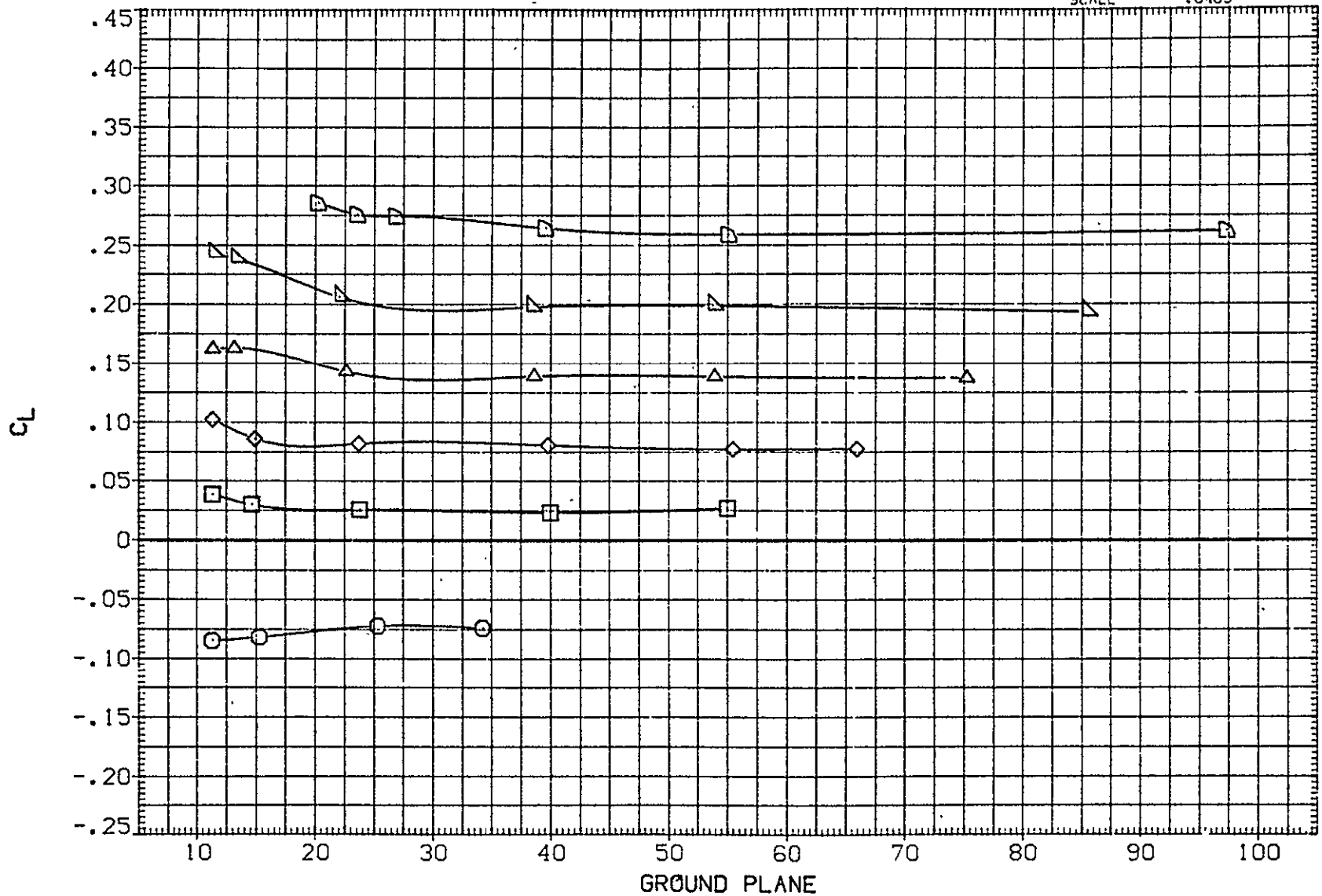

FIG 267 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BOFLAP	ELEVON
(TJF404)	○	(CA-8) K2.1TS7	F1OTS40165.3.5	.144	3.000	-11.700	.000
(TJF405)	□	(CA-8) K2.1TS7	F1OTS40165.3.5	4.201	3.000	-11.700	.000
(TJF406)	◇	(CA-8) K2.1TS7	F1OTS40165.3.5	6.129	3.000	-11.700	.000
(TJF407)	△	(CA-8) K2.1TS7	F1OTS40165.3.5	8.129	3.000	-11.700	.000
(TJF408)	◁	(CA-8) K2.1TS7	F1OTS40165.3.5	10.123	3.000	-11.700	.000
(TJF409)	▱	(CA-8) K2.1TS7	F1OTS40165.3.5	12.202	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

FIG 267 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BOFLAP	ELEVON
(TJF404)		(CA-8) K2.1TS7	F1OTS401G5.3.5	.144	3.000	-11.700	.000
(TJF405)		(CA-8) K2.1TS7	F1OTS401G5.3.5	4.201	3.000	-11.700	.000
(TJF406)		(CA-8) K2.1TS7	F1OTS401G5.3.5	6.129	3.000	-11.700	.000
(TJF407)		(CA-8) K2.1TS7	F1OTS401G5.3.5	8.129	3.000	-11.700	.000
(TJF408)		(CA-8) K2.1TS7	F1OTS401G5.3.5	10.123	3.000	-11.700	.000
(TJF409)		(CA-8) K2.1TS7	F1OTS401G5.3.5	12.202	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

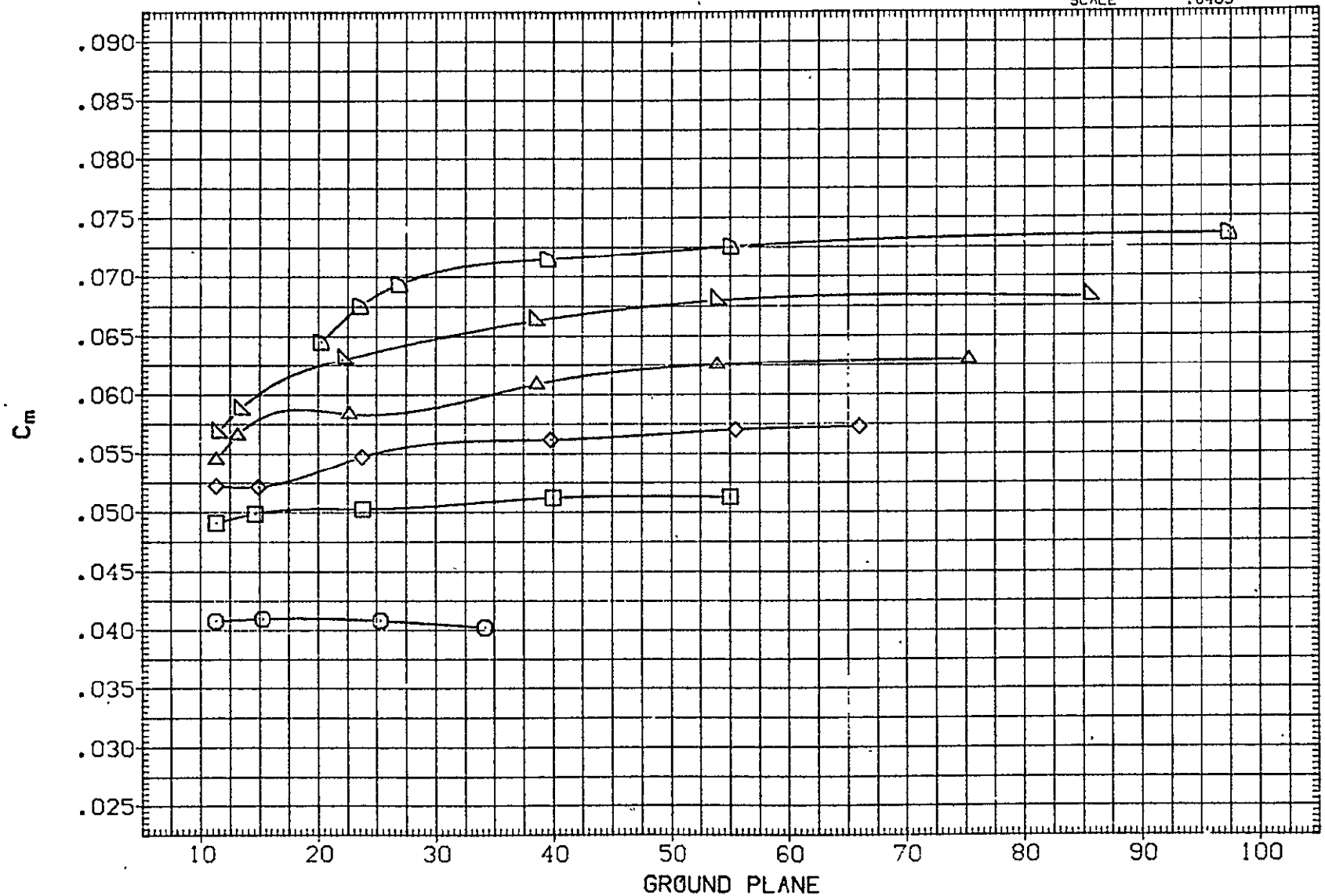

FIG 267 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF386)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.144	3.000	-11.700	.000
(TJF387)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.121	3.000	-11.700	.000
(TJF388)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.127	3.000	-11.700	.000
(TJF389)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.161	3.000	-11.700	.000
(TJF390)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.166	3.000	-11.700	.000
(TJF391)		(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.170	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

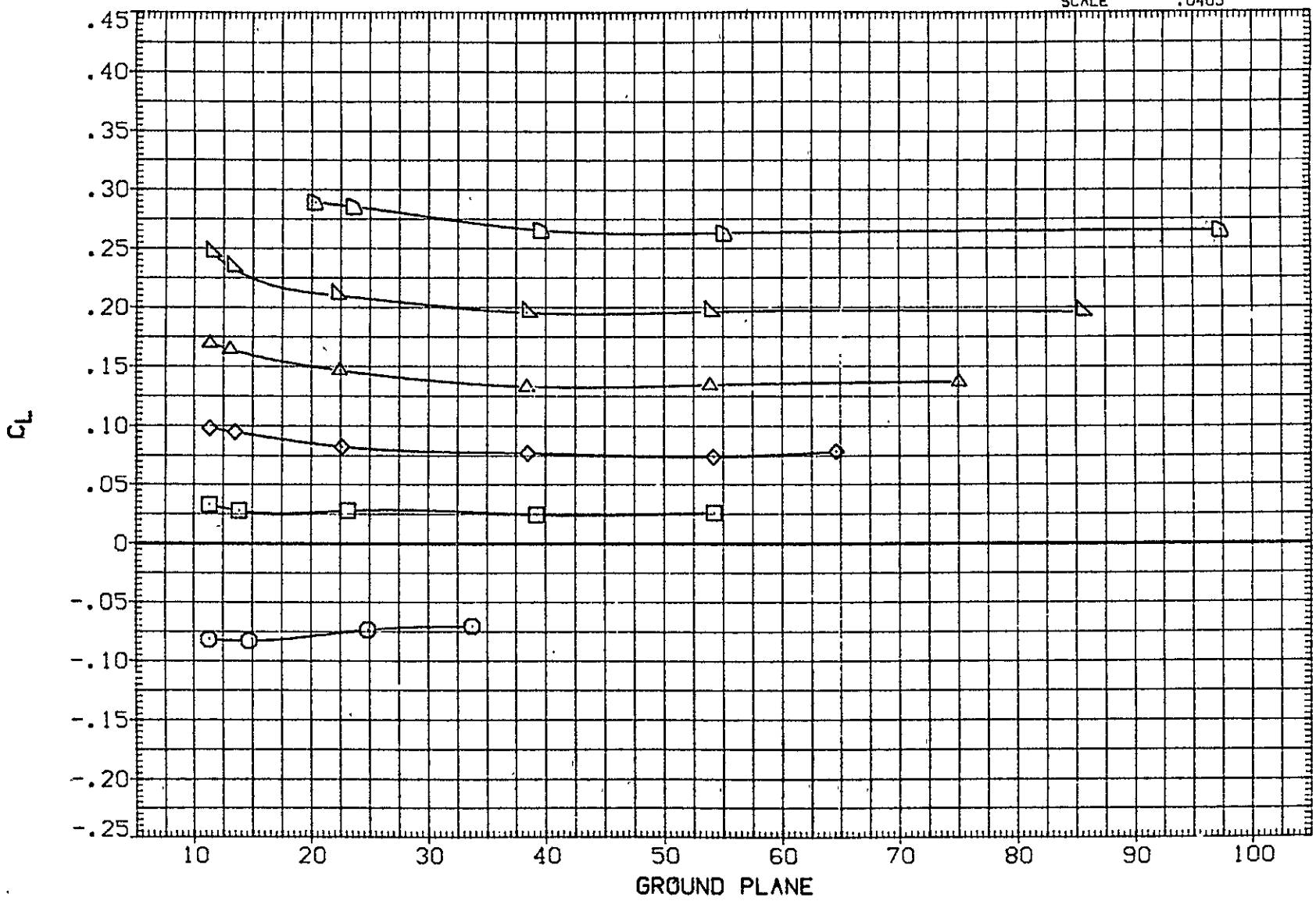

FIG 268 FERRY CON. IN GROUND PROXIMITY. STAB = 2 FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF386)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.144	3.000	-11.700	.000
(TJF387)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.121	3.000	-11.700	.000
(TJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.127	3.000	-11.700	.000
(TJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.161	3.000	-11.700	.000
(TJF390)	◁	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.166	3.000	-11.700	.000
(TJF391)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.170	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

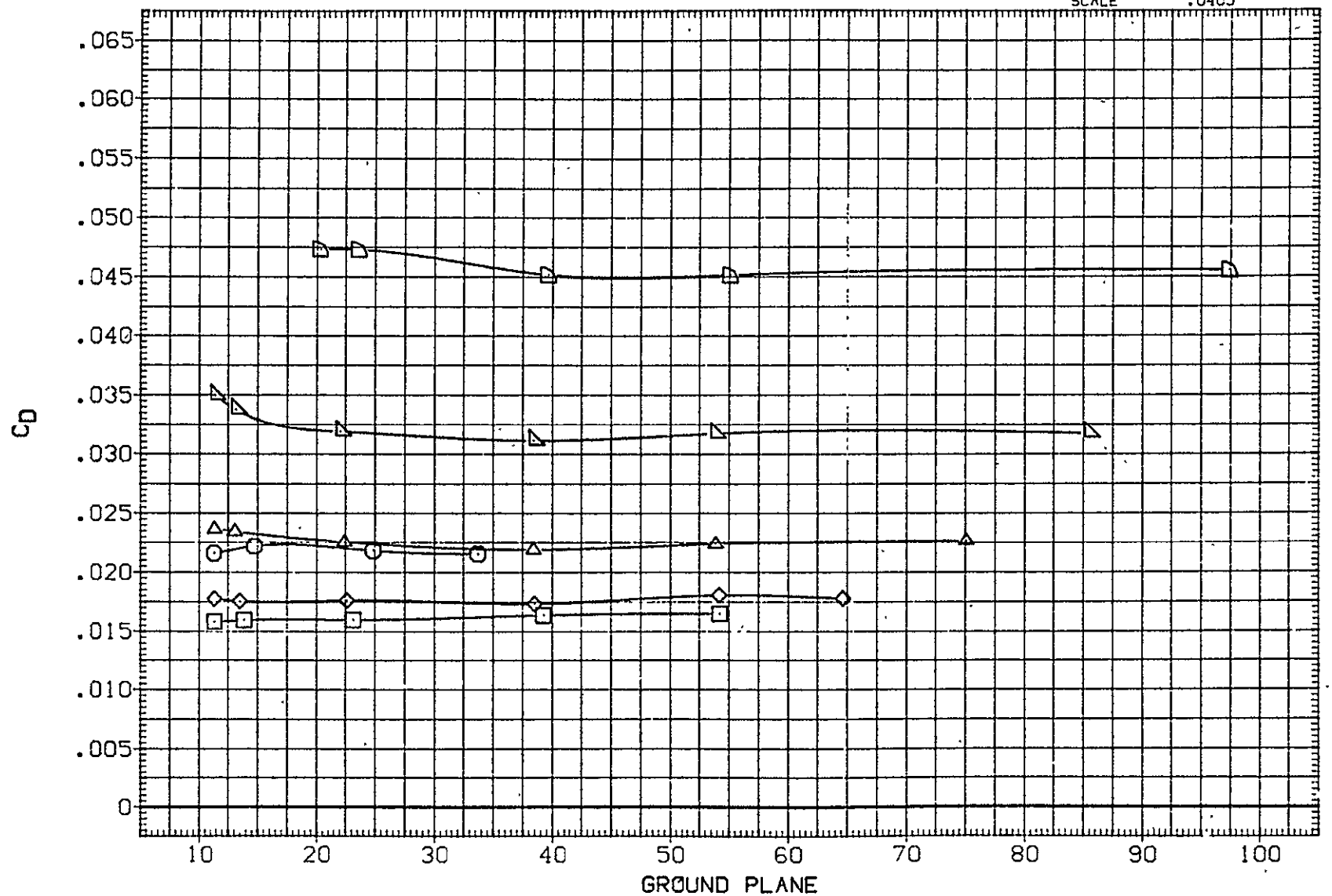

FIG 268 FERRY CON. IN GROUND PROXIMITY. STAB = 2 FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF386)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.144	3.000	-11.700	.000
(TJF387)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.121	3.000	-11.700	.000
(TJF388)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.127	3.000	-11.700	.000
(TJF389)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.161	3.000	-11.700	.000
(TJF390)	◁	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.166	3.000	-11.700	.000
(TJF391)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.170	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

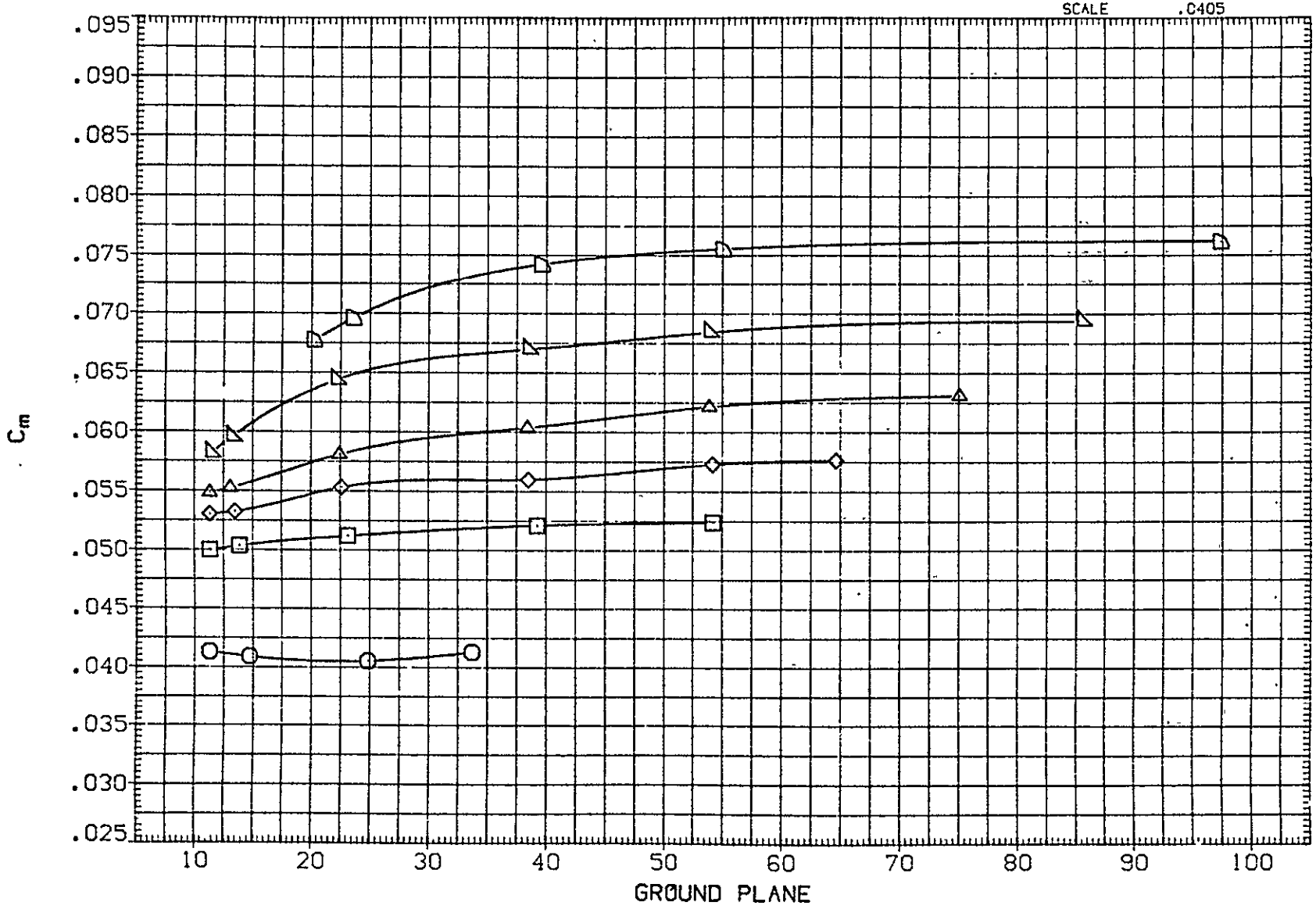

FIG 268 FERRY CON. IN GROUND PROXIMITY, STAB = 2 FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF392)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000
(TJF393)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000
(TJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000
(TJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000
(TJF396)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000
(TJF397)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

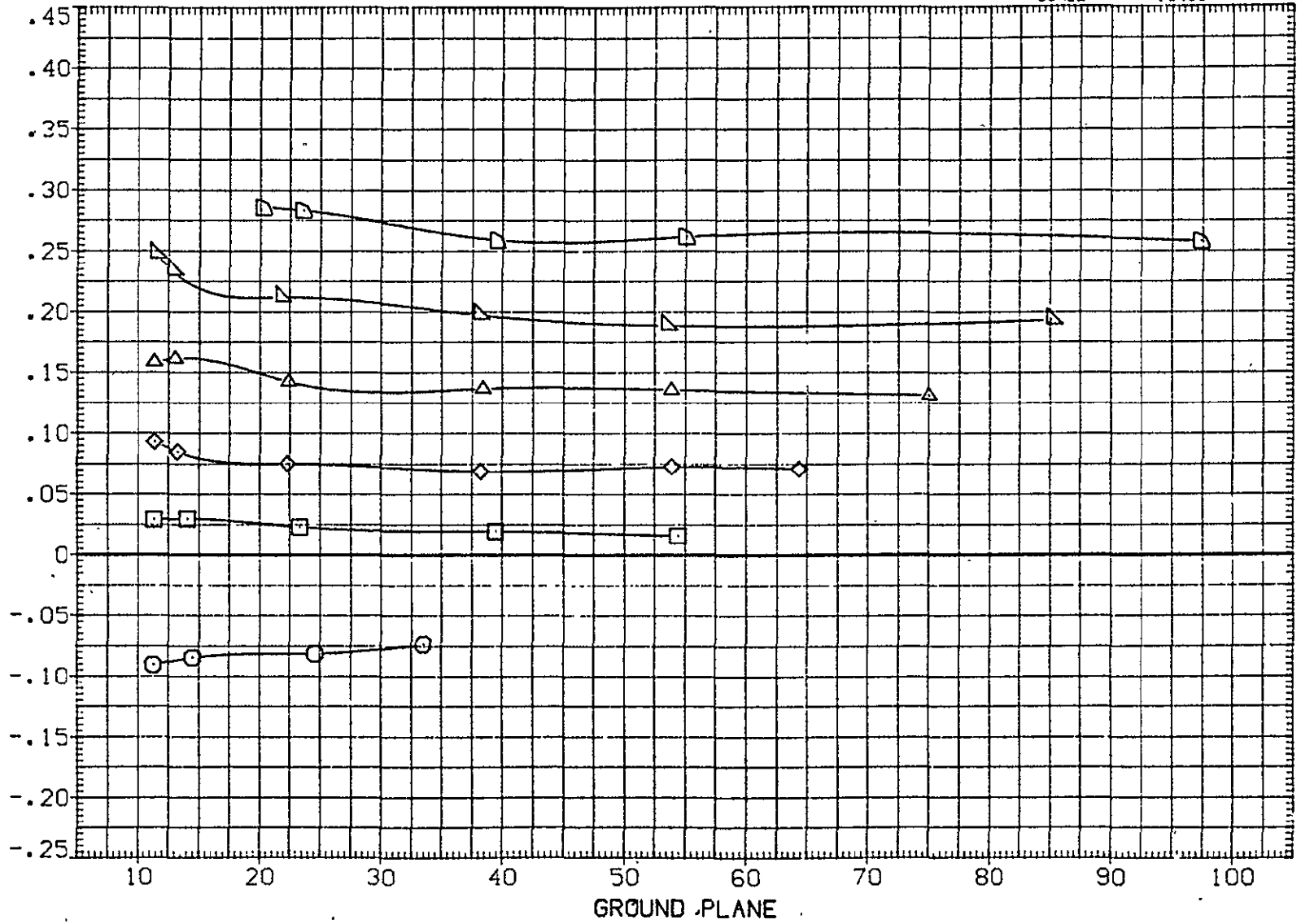

FIG 269 FERRY CON. IN GROUND PROXIMITY. STAB = 0 FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000
(TJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000
(TJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000
(TJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000
(TJF396)	◁	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000
(TJF397)	▱	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

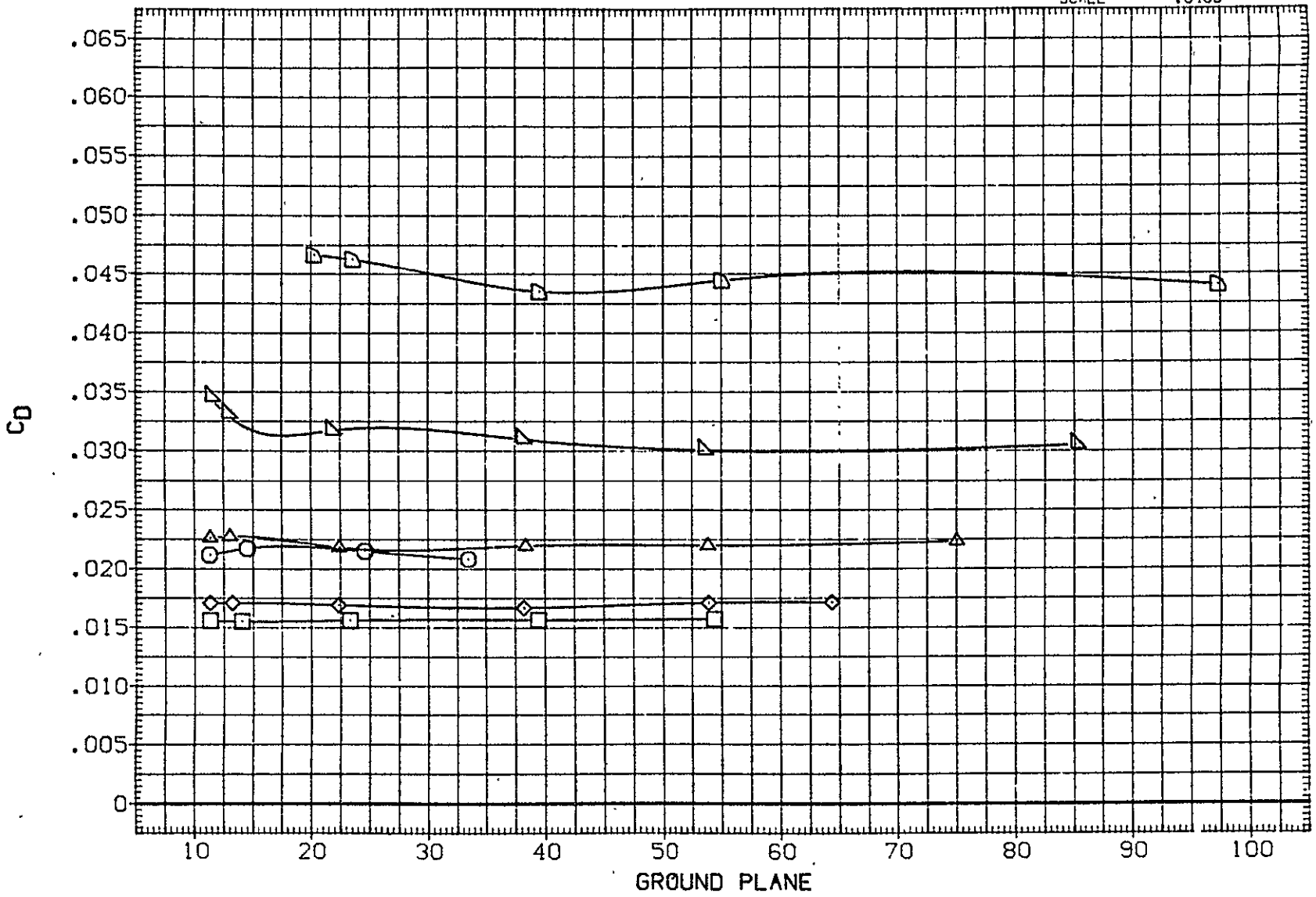

FIG 269 FERRY CON. IN GROUND PROXIMITY. STAB = 0 FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF392)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.128	3.000	-11.700	.000
(TJF393)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.184	3.000	-11.700	.000
(TJF394)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.118	3.000	-11.700	.000
(TJF395)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.182	3.000	-11.700	.000
(TJF396)	◁	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.125	3.000	-11.700	.000
(TJF397)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.173	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

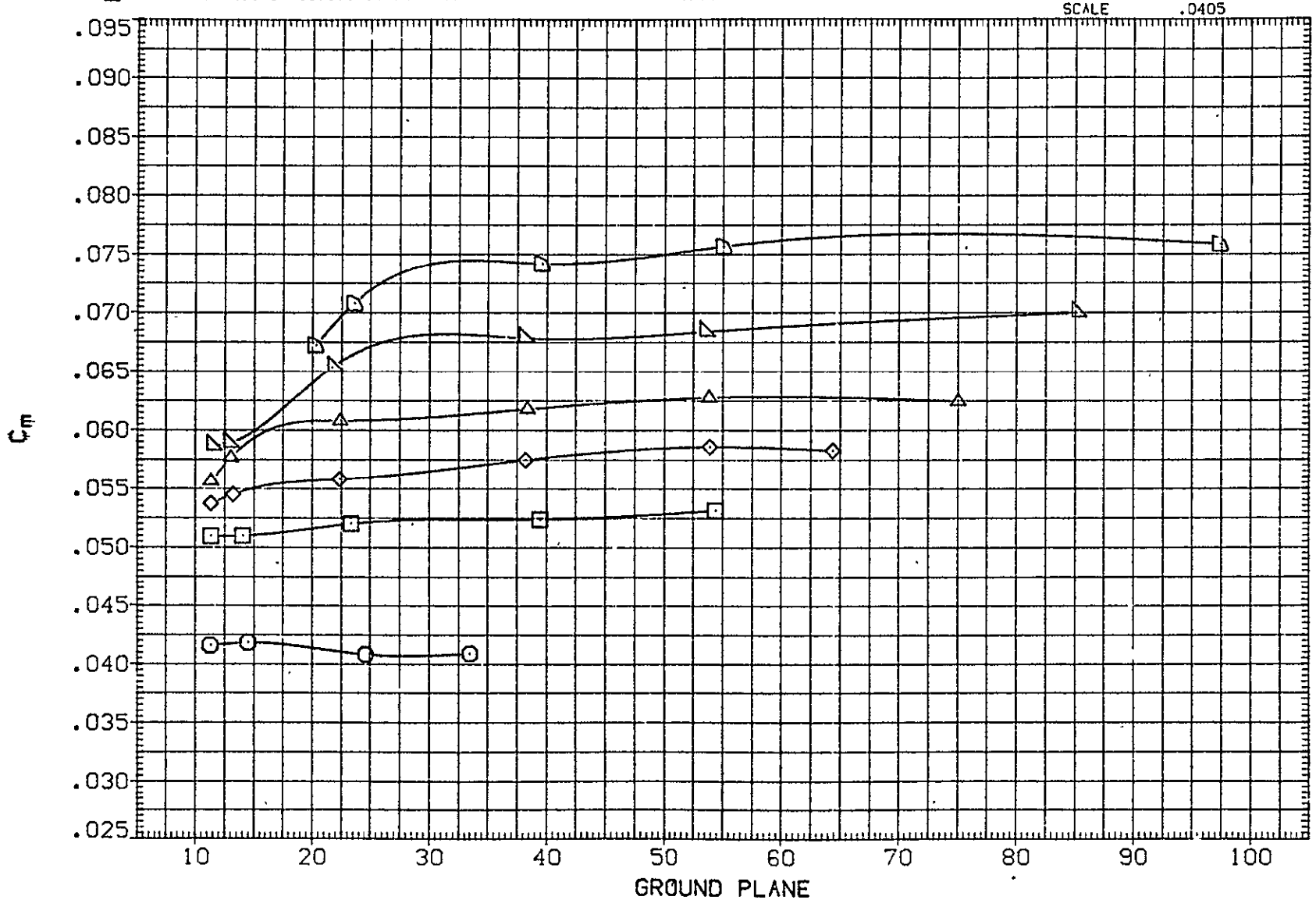

FIG 269 FERRY CON. IN GROUND PROXIMITY, STAB = 0 FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	.178	3.000	-11.700	.000
(TJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	4.155	3.000	-11.700	.000
(TJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	6.152	3.000	-11.700	.000
(TJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	8.127	3.000	-11.700	.000
(TJF402)	◺	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	10.152	3.000	-11.700	.000
(TJF403)	▱	(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	12.125	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

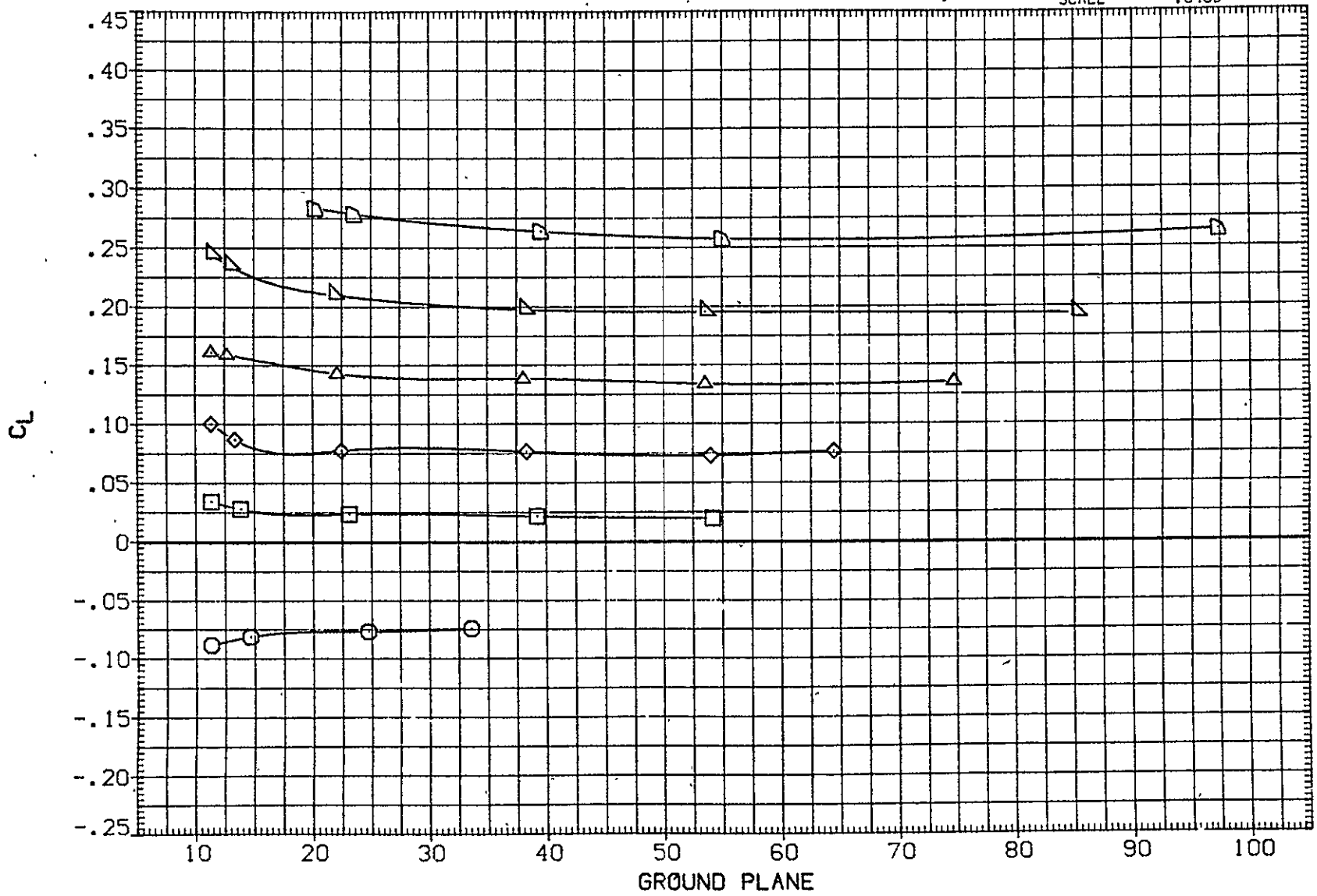

FIG 270 FERRY CON. IN GROUND PROXIMITY. STAB = -2 FLAPS 10 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF398)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.178	3.000	-11.700	.000
(TJF399)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.155	3.000	-11.700	.000
(TJF400)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.152	3.000	-11.700	.000
(TJF401)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.127	3.000	-11.700	.000
(TJF402)	◁	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.152	3.000	-11.700	.000
(TJF403)	▷	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.125	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

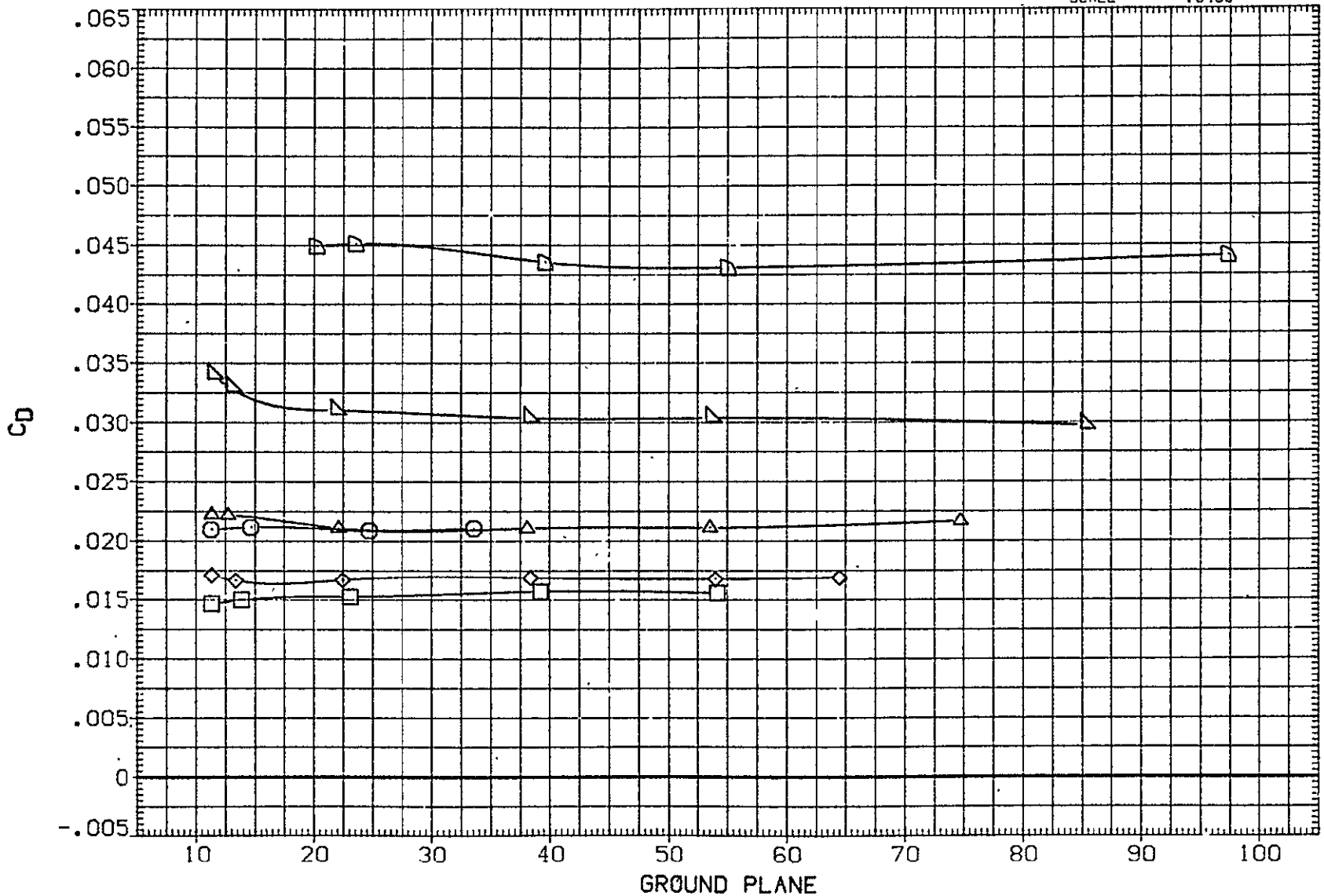

FIG 270 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAw	IORB	BDFLAP	ELEVON
(TJF398)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.178	3.000	-11.700	.000
(TJF399)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.155	3.000	-11.700	.000
(TJF400)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.152	3.000	-11.700	.000
(TJF401)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.127	3.000	-11.700	.000
(TJF402)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.152	3.000	-11.700	.000
(TJF403)		(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.125	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

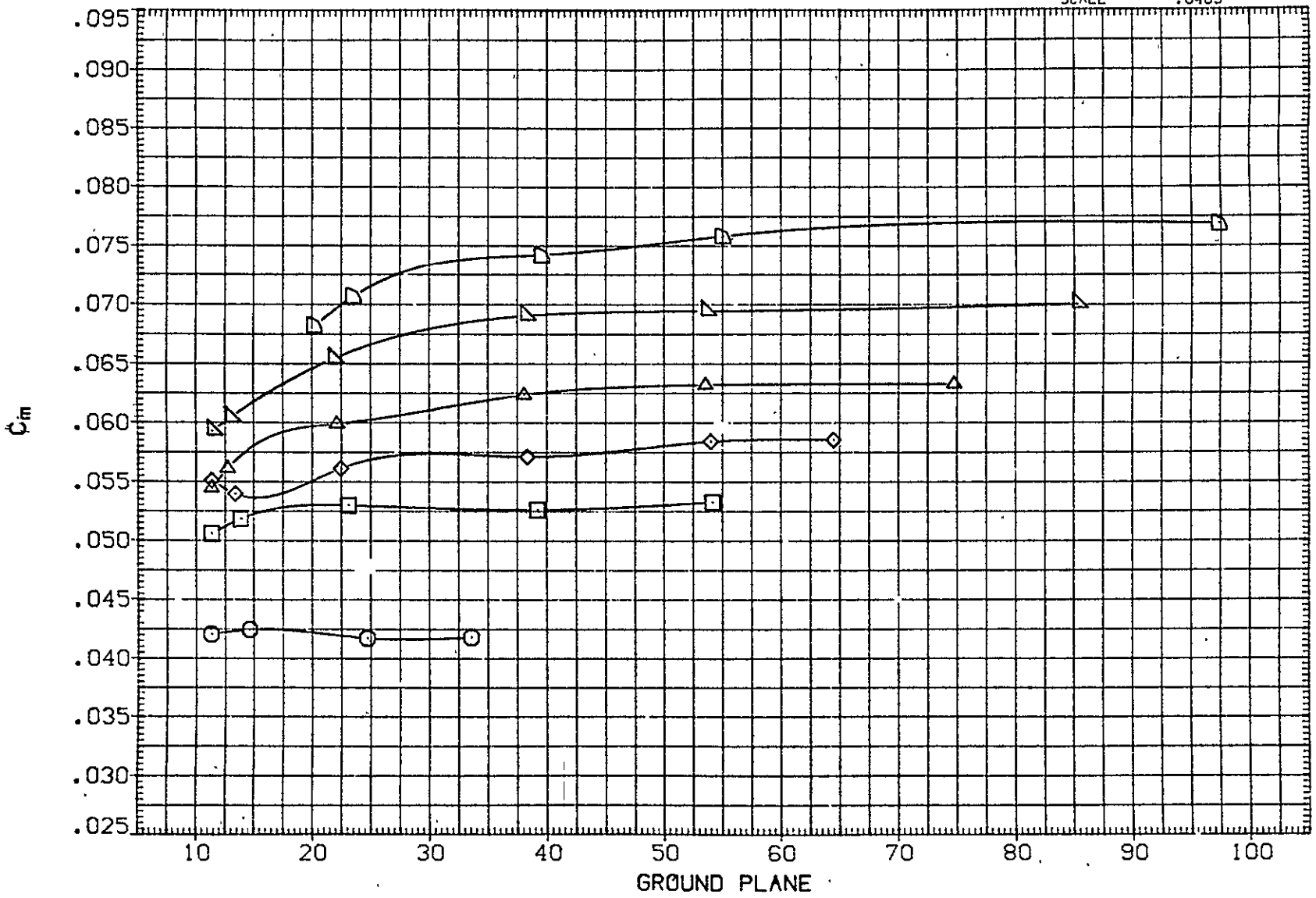

FIG 270 FERRY CON. IN GROUND PROXIMITY, STAB = -2 FLAPS 10 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF410)	○	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	.133	3.000	-11.700	.000
(TJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	4.213	3.000	-11.700	.000
(TJF412)	◇	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	6.142	3.000	-11.700	.000
(TJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	8.115	3.000	-11.700	.000
(TJF414)	◁	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	10.239	3.000	-11.700	.000
(TJF415)	▷	(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5	12.206	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

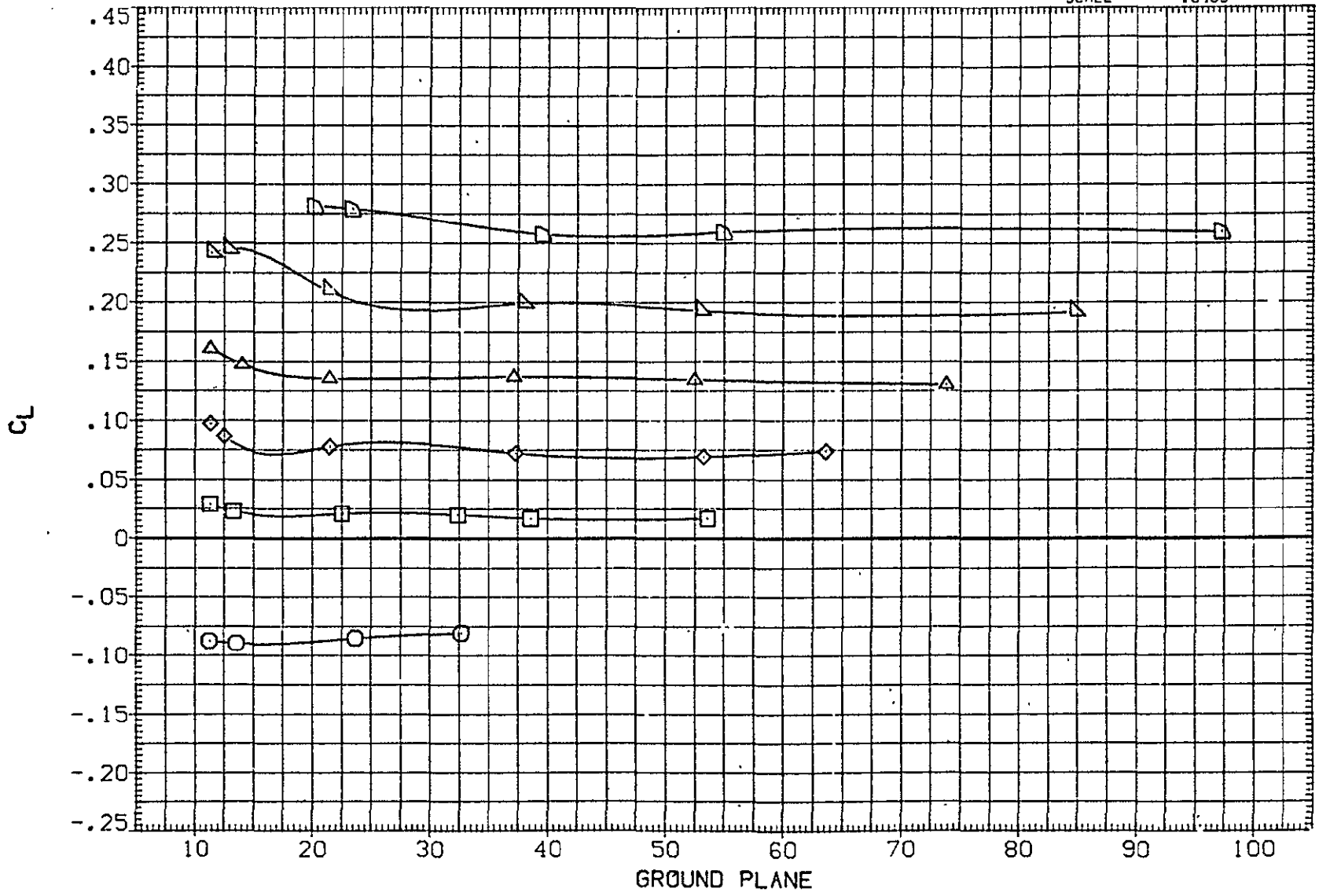

FIG 271 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF410)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	.133	3.000	-11.700	.000
(TJF411)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	4.213	3.000	-11.700	.000
(TJF412)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	6.142	3.000	-11.700	.000
(TJF413)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	8.115	3.000	-11.700	.000
(TJF414)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	10.239	3.000	-11.700	.000
(TJF415)		(CA-8) K2.1TS7H15.6.1F10TS40165.3.5	12.206	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

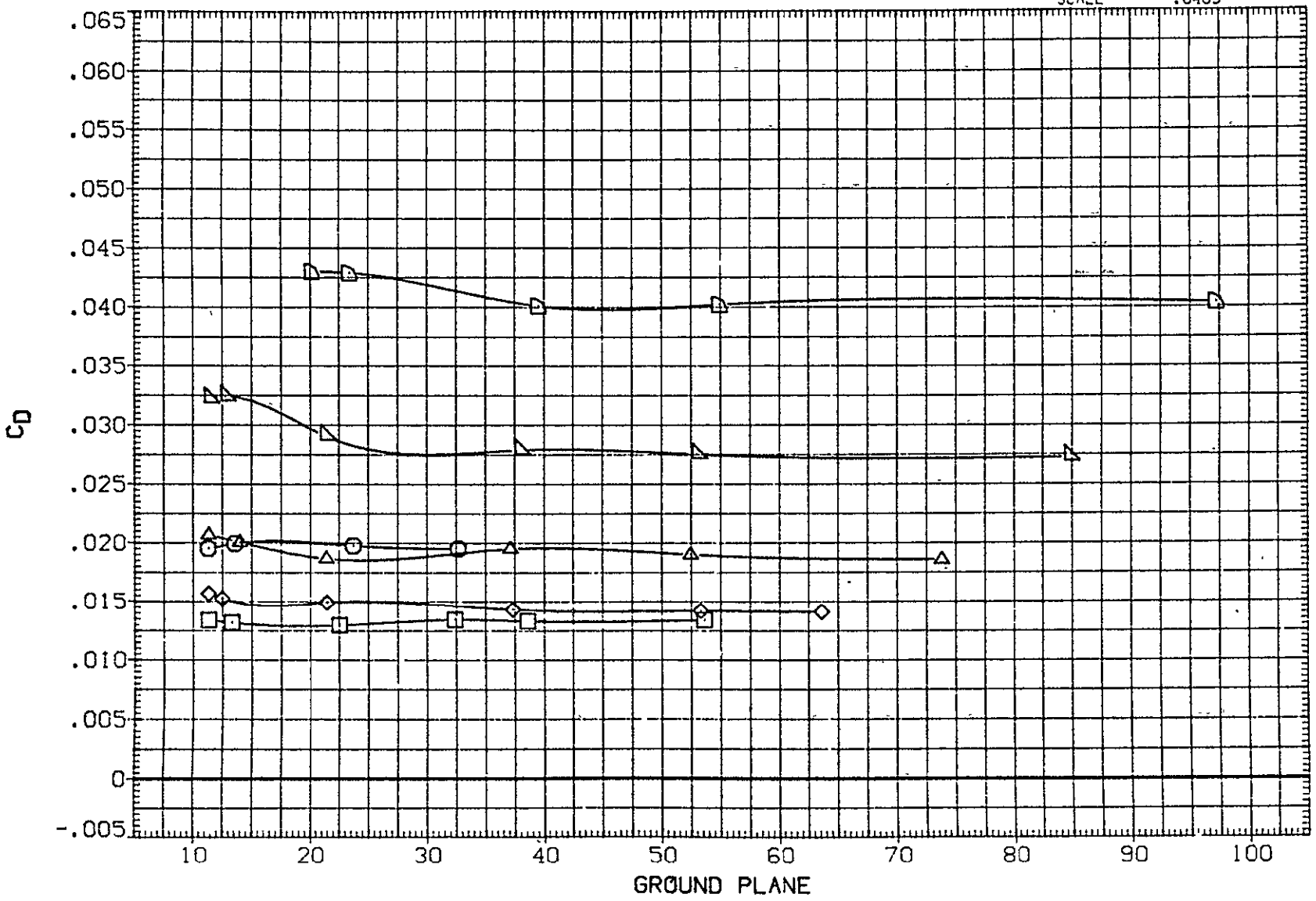

FIG 271 FERRY CON. IN GROUND PROXIMITY. STAB = 0. ELEVTR=-23. IORB=3. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF410)	○	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	.133	3.000	-11.700	.000
(TJF411)	□	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	4.213	3.000	-11.700	.000
(TJF412)	◇	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	6.142	3.000	-11.700	.000
(TJF413)	△	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	8.115	3.000	-11.700	.000
(TJF414)	◁	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	10.239	3.000	-11.700	.000
(TJF415)	▷	(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5	12.206	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMPP	375.0000	IN. ZO
SCALE	.0405	

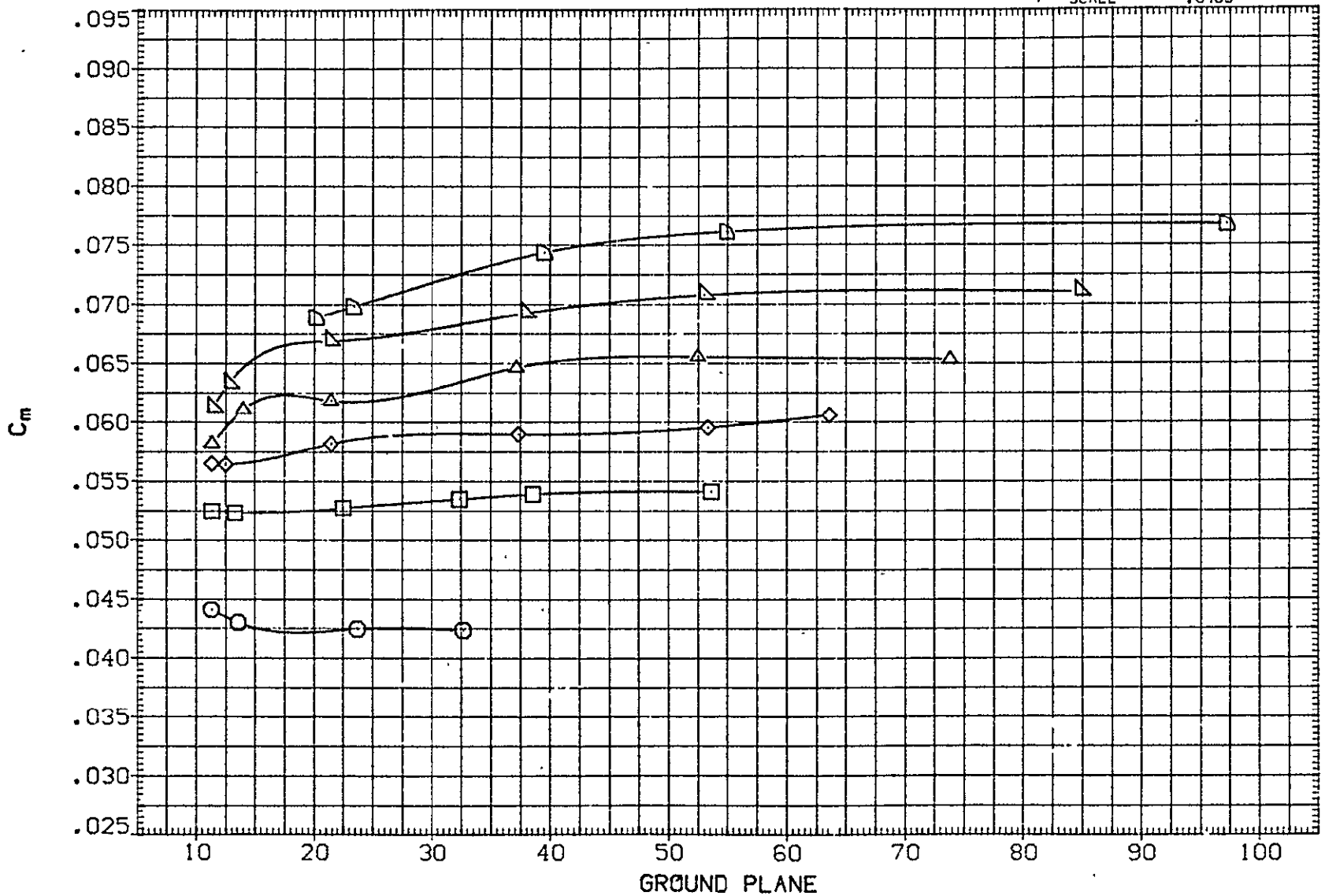

FIG 271 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF422)	○	(CA-8) K2.1TS7	F20TS401G5.3.5	.183	3.000	-11.700	.000
(TJF423)	□	(CA-8) K2.1TS7	F20TS401G5.3.5	4.173	3.000	-11.700	.000
(TJF424)	◇	(CA-8) K2.1TS7	F20TS401G5.3.5	6.153	3.000	-11.700	.000
(TJF425)	△	(CA-8) K2.1TS7	F20TS401G5.3.5	8.284	3.000	-11.700	.000
(TJF426)	◁	(CA-8) K2.1TS7	F20TS401G5.3.5	10.235	3.000	-11.700	.000
(TJF427)	▷	(CA-8) K2.1TS7	F20TS401G5.3.5	12.154	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

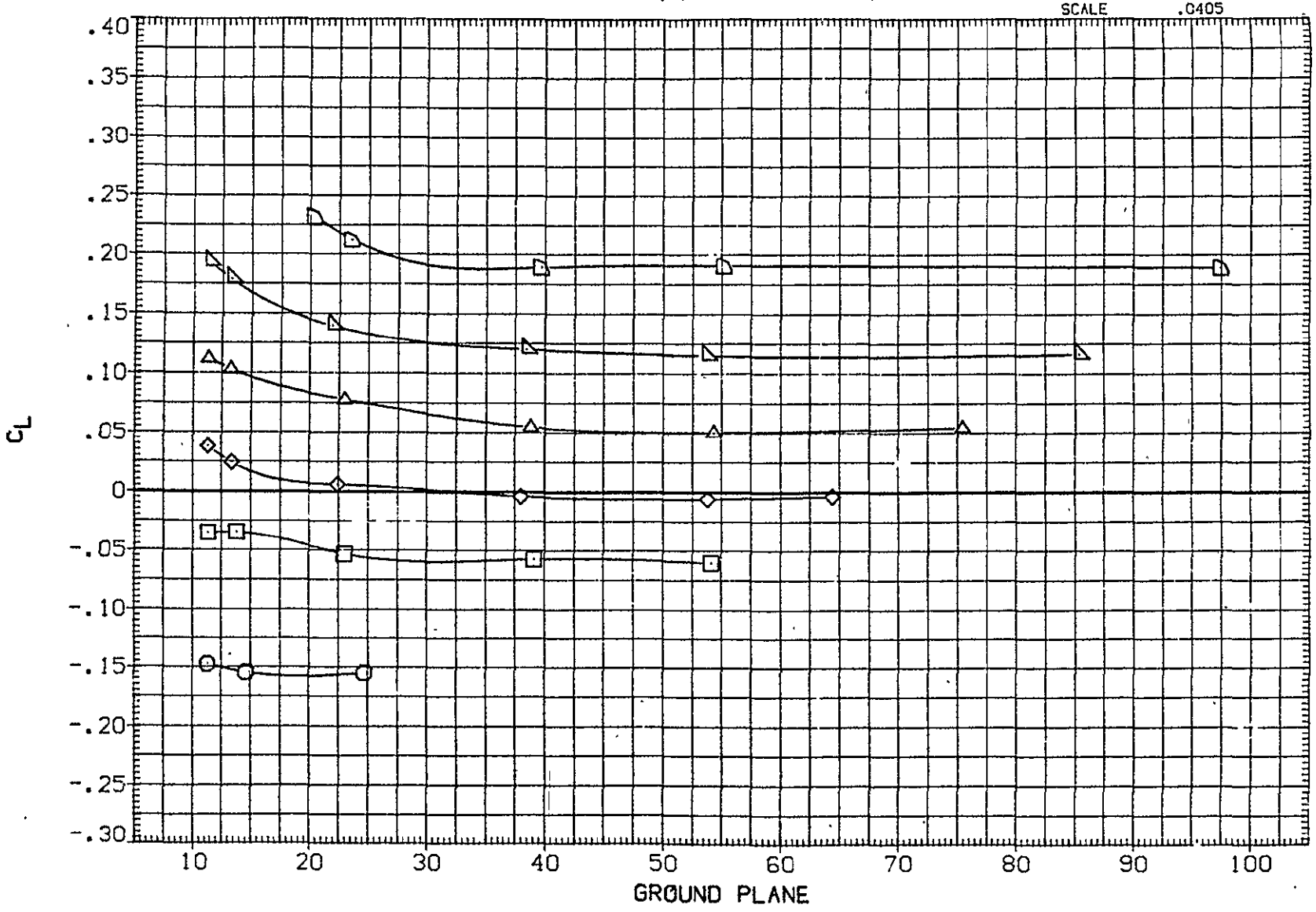

FIG 272 FERRY CON. IN GROUND PROXIMITY. HORIZ OFF. FLAPS 20 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF422)		(CA-8) K2.1TS7	F20TS40IG5.3.5	.183	3.000	-11.700	.000
(TJF423)		(CA-8) K2.1TS7	F20TS40IG5.3.5	4.173	3.000	-11.700	.000
(TJF424)		(CA-8) K2.1TS7	F20TS40IG5.3.5	6.153	3.000	-11.700	.000
(TJF425)		(CA-8) K2.1TS7	F20TS40IG5.3.5	8.284	3.000	-11.700	.000
(TJF426)		(CA-8) K2.1TS7	F20TS40IG5.3.5	10.235	3.000	-11.700	.000
(TJF427)		(CA-8) K2.1TS7	F20TS40IG5.3.5	12.154	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.15	

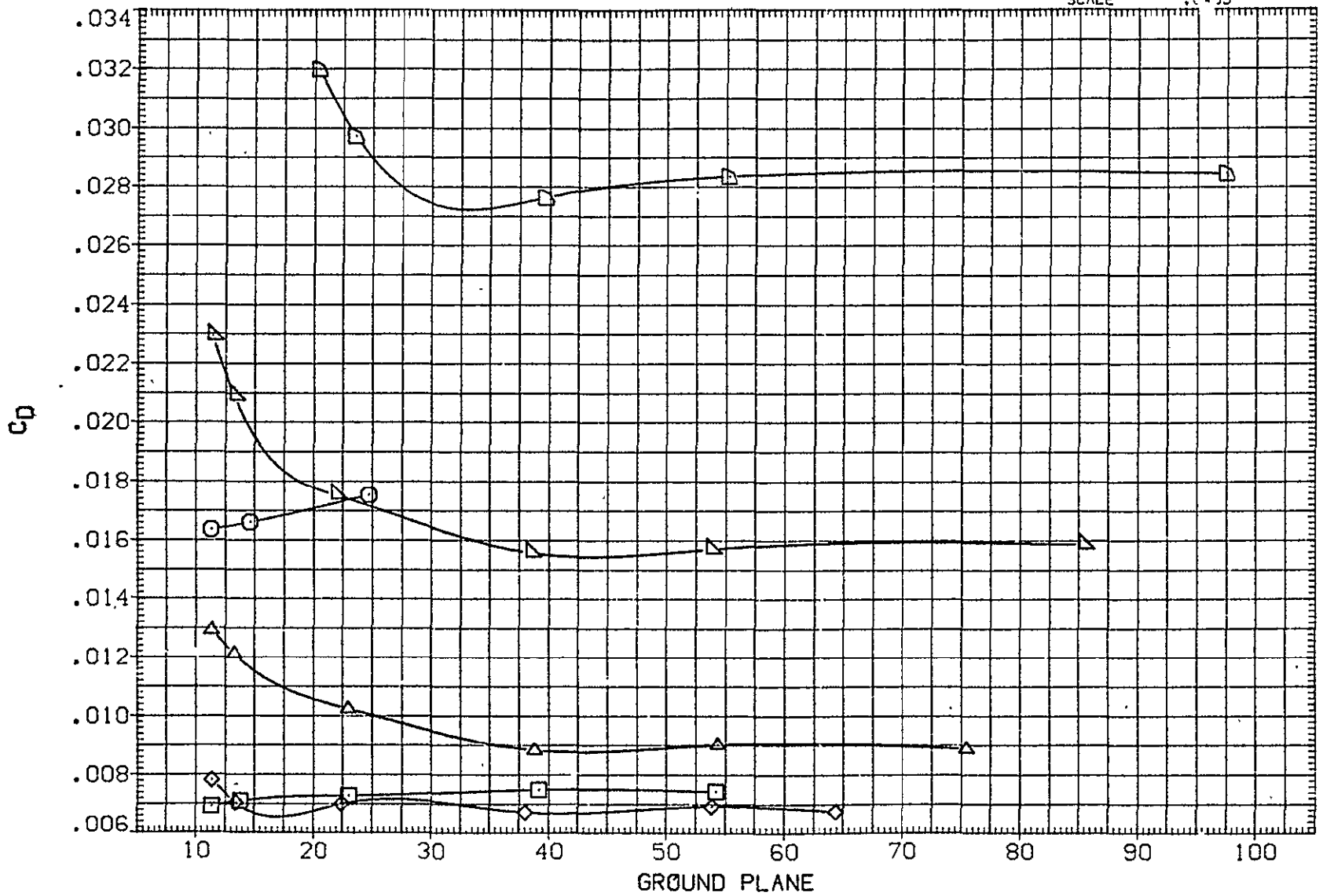

FIG 272 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF422)		(CA-8) K2.1TS7	F20TS40IG5.3.5	.183	3.000	-11.700	.000
(TJF423)		(CA-8) K2.1TS7	F20TS40IG5.3.5	4.173	3.000	-11.700	.000
(TJF424)		(CA-8) K2.1TS7	F20TS40IG5.3.5	6.153	3.000	-11.700	.000
(TJF425)		(CA-8) K2.1TS7	F20TS40IG5.3.5	8.284	3.000	-11.700	.000
(TJF426)		(CA-8) K2.1TS7	F20TS40IG5.3.5	10.235	3.000	-11.700	.000
(TJF427)		(CA-8) K2.1TS7	F20TS40IG5.3.5	12.154	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

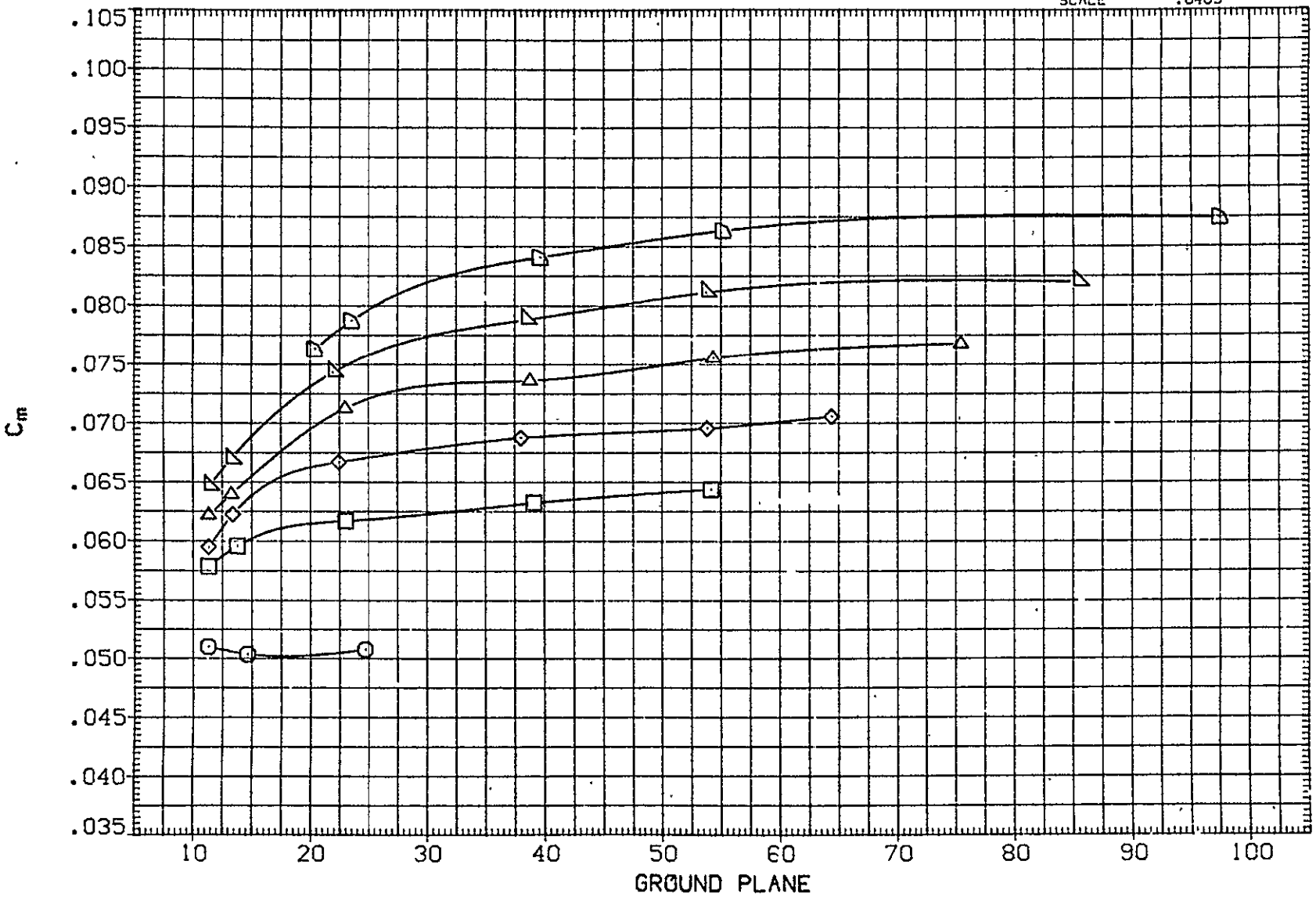

FIG 272 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	-.293	3.000	-11.700	.000
(TJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000
(TJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000
(TJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000
(TJF444)	◺	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000
(TJF445)	▱	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

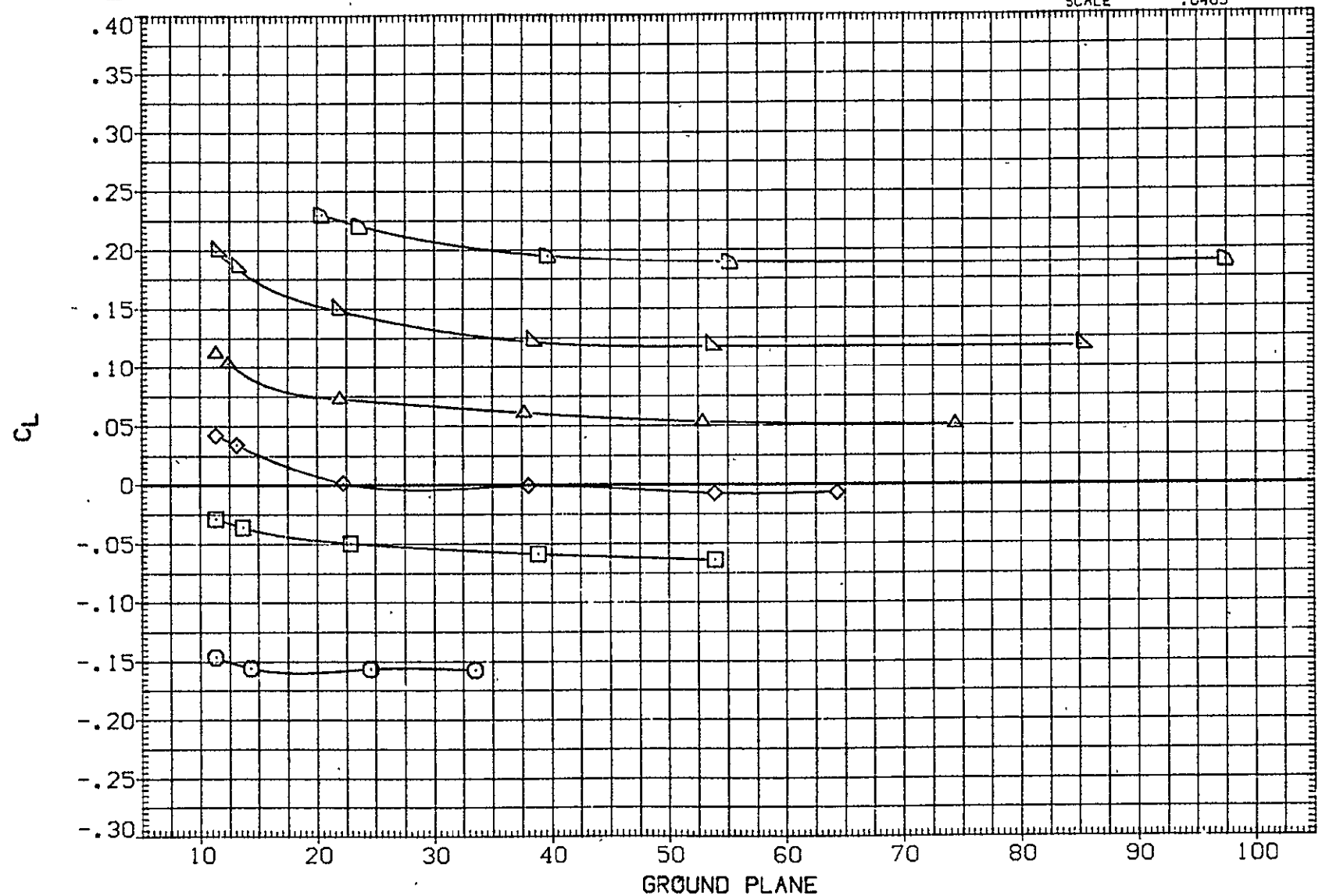

FIG 273 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF440)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.293	3.000	-11.700	.000
(TJF441)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000
(TJF442)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000
(TJF443)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000
(TJF444)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000
(TJF445)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

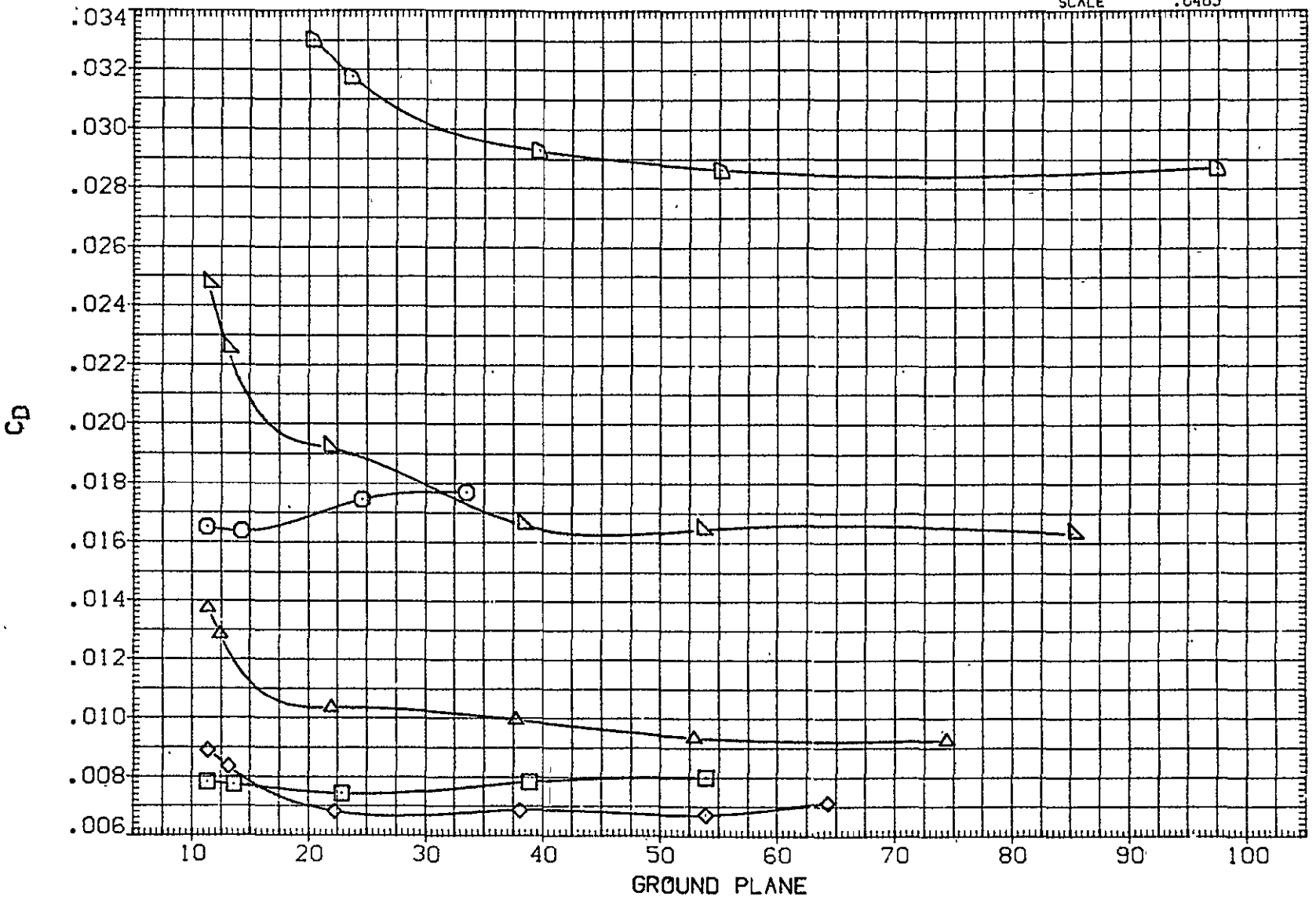

FIG 273 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF440)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.293	3.000	-11.700	.000
(TJF441)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.248	3.000	-11.700	.000
(TJF442)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.218	3.000	-11.700	.000
(TJF443)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.128	3.000	-11.700	.000
(TJF444)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.224	3.000	-11.700	.000
(TJF445)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.120	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

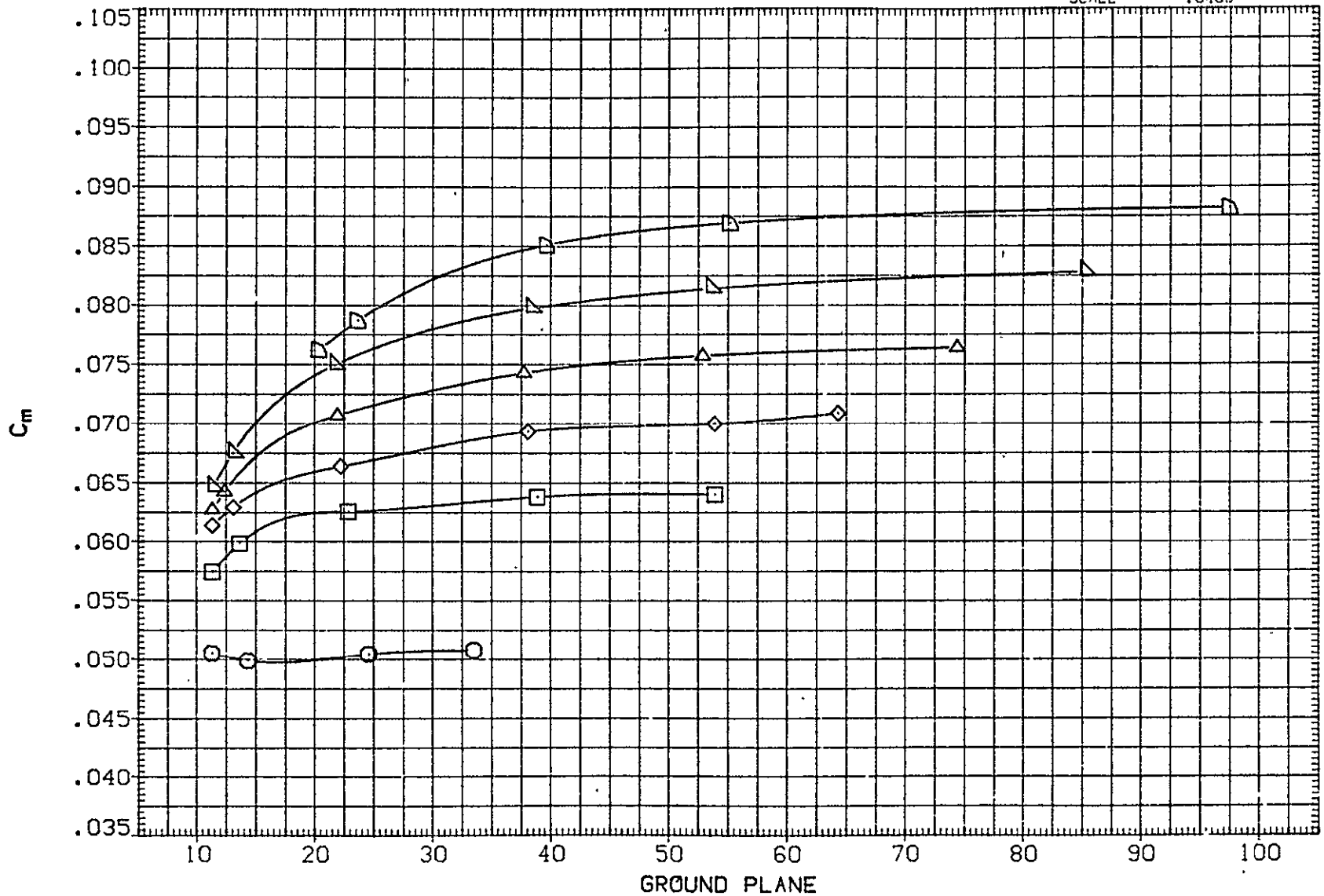

FIG 273 FERRY CON. IN GROUND PROXIMITY. STAB = 0. FLAPS 20 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF434)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.213	3.000	-11.700	.000
(TJF435)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.217	3.000	-11.700	.000
(TJF436)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.243	3.000	-11.700	.000
(TJF437)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.082	3.000	-11.700	.000
(TJF438)	◁	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.091	3.000	-11.700	.000
(TJF439)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.115	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

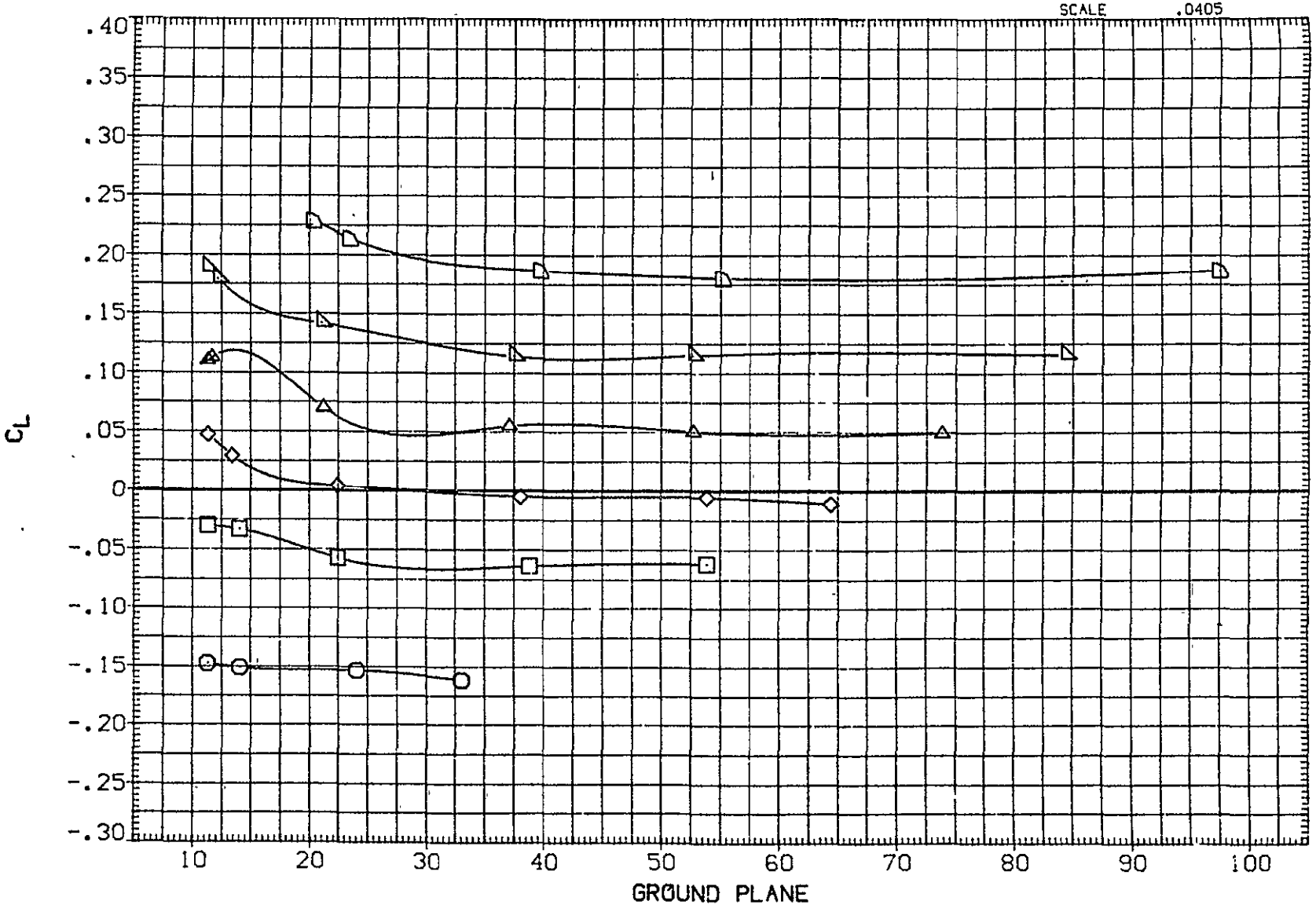

FIG 274 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF434)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	.213	3.000	-11.700	.000
(TJF435)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	4.217	3.000	-11.700	.000
(TJF436)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	6.243	3.000	-11.700	.000
(TJF437)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	8.082	3.000	-11.700	.000
(TJF438)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	10.091	3.000	-11.700	.000
(TJF439)		(CA-8) K2.1TS7H15.6.1F20TS40165.3.5	12.115	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMPP	375.0000	IN. ZO
SCALE	.0405	

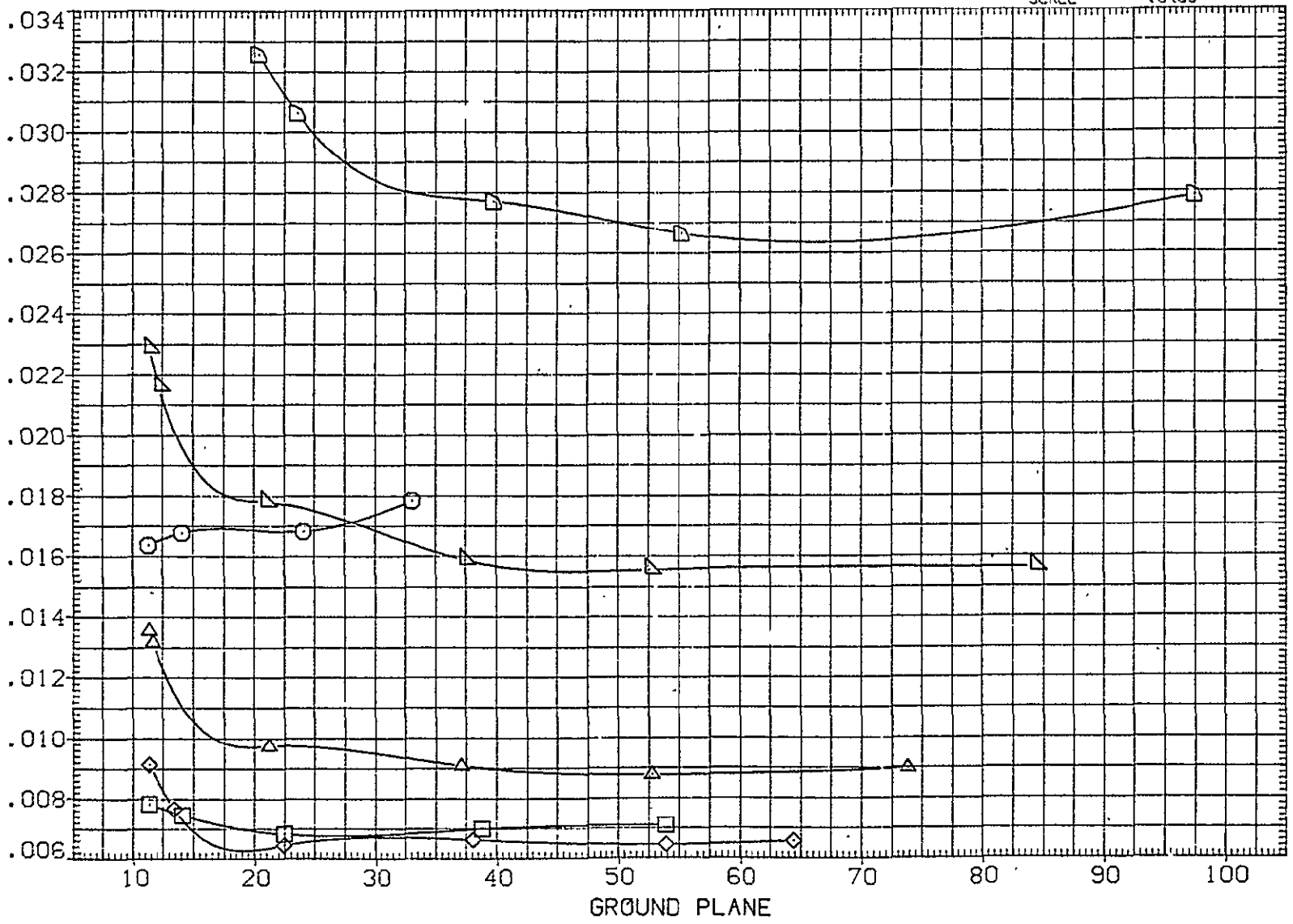

FIG 274 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF434)	○	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5
(TJF435)	□	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5
(TJF436)	◇	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5
(TJF437)	△	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5
(TJF438)	◁	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5
(TJF439)	▷	(CA-B) K2.1TS7H15.6.1F20TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.213	3.000	-11.700	.000
4.217	3.000	-11.700	.000
6.243	3.000	-11.700	.000
8.082	3.000	-11.700	.000
10.091	3.000	-11.700	.000
12.115	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

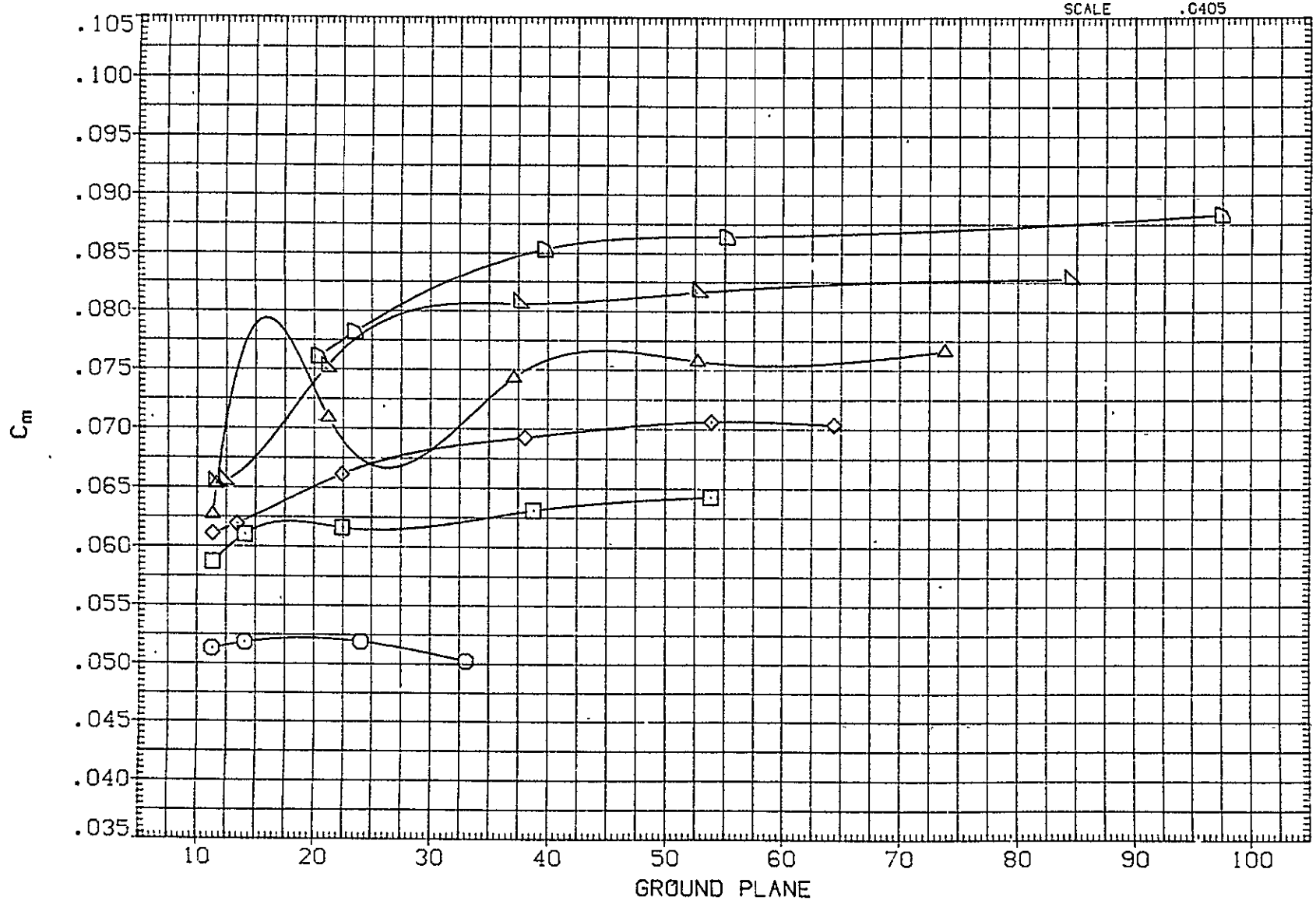

FIG 274 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000
(TJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000
(TJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000
(TJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000
(TJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000
(TJF433)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

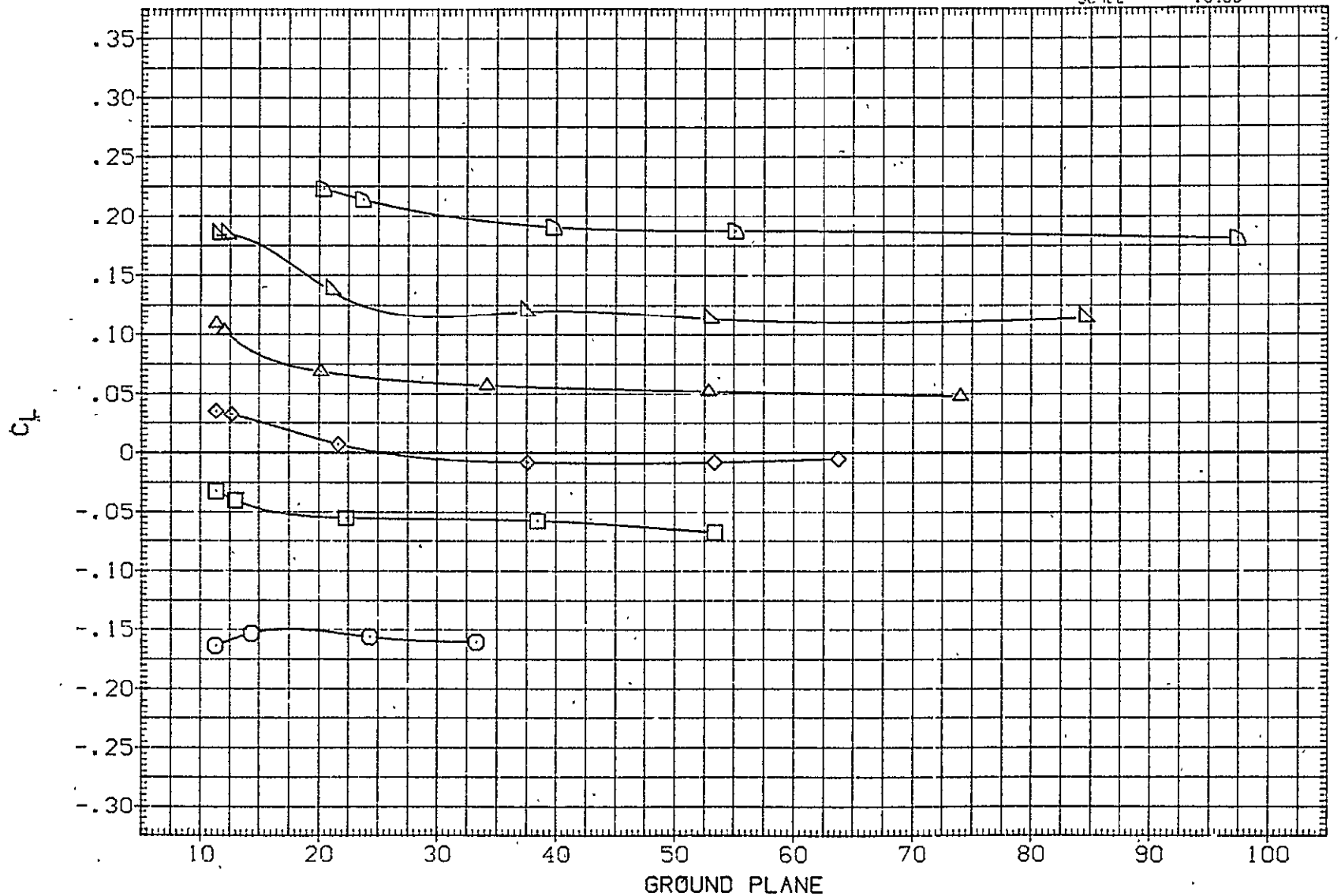

FIG 275 FERRY CON. IN GROUND PROXIMITY, STAB = -4, FLAPS 20 IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000
(TJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000
(TJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000
(TJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000
(TJF432)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000
(TJF433)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

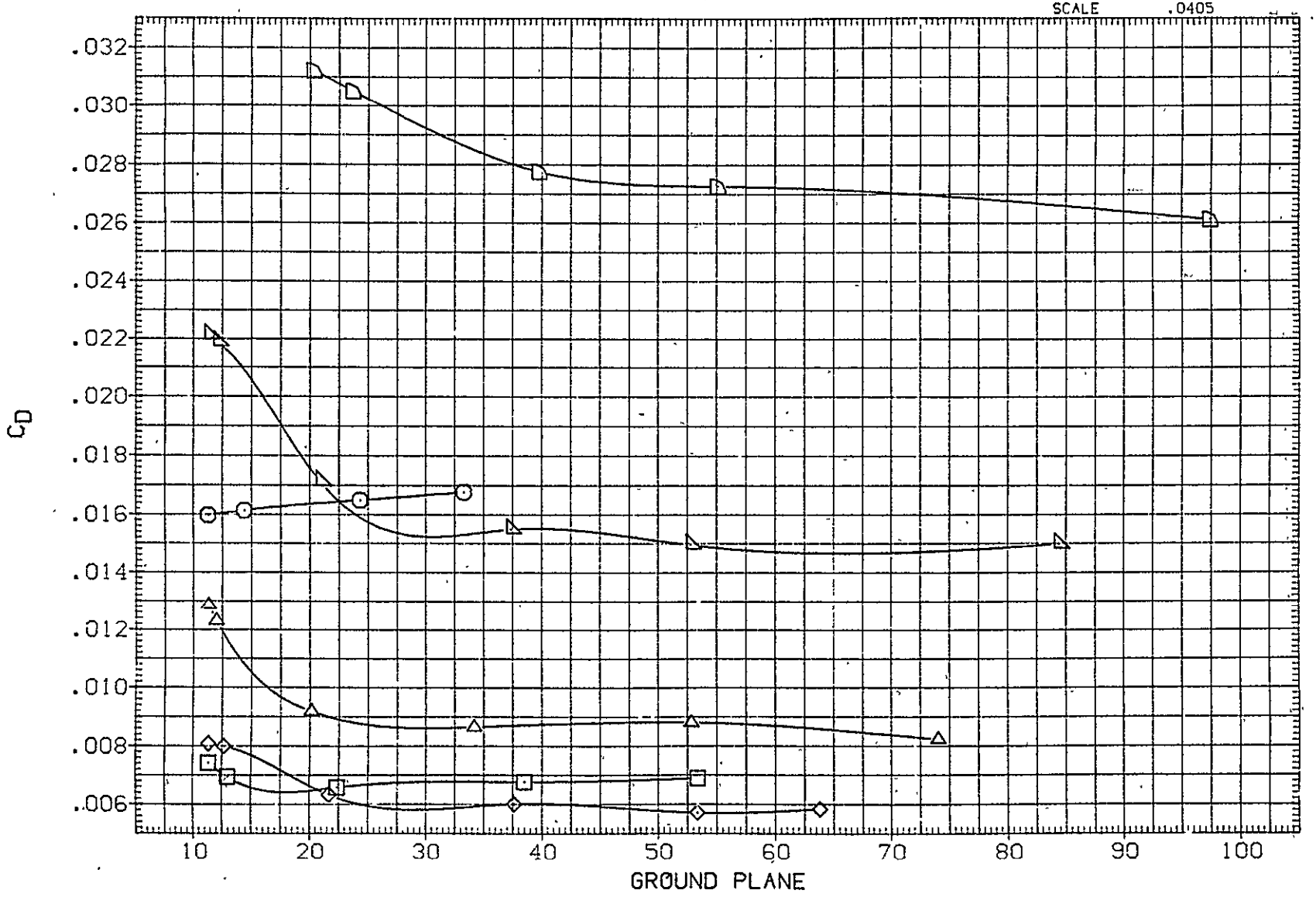

FIG 275 FERRY CON. IN GROUND PROXIMITY, STAB = -4. FLAPS 20 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF428)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.228	3.000	-11.700	.000
(TJF429)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.127	3.000	-11.700	.000
(TJF430)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.124	3.000	-11.700	.000
(TJF431)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.118	3.000	-11.700	.000
(TJF432)	◁	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.126	3.000	-11.700	.000
(TJF433)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.127	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

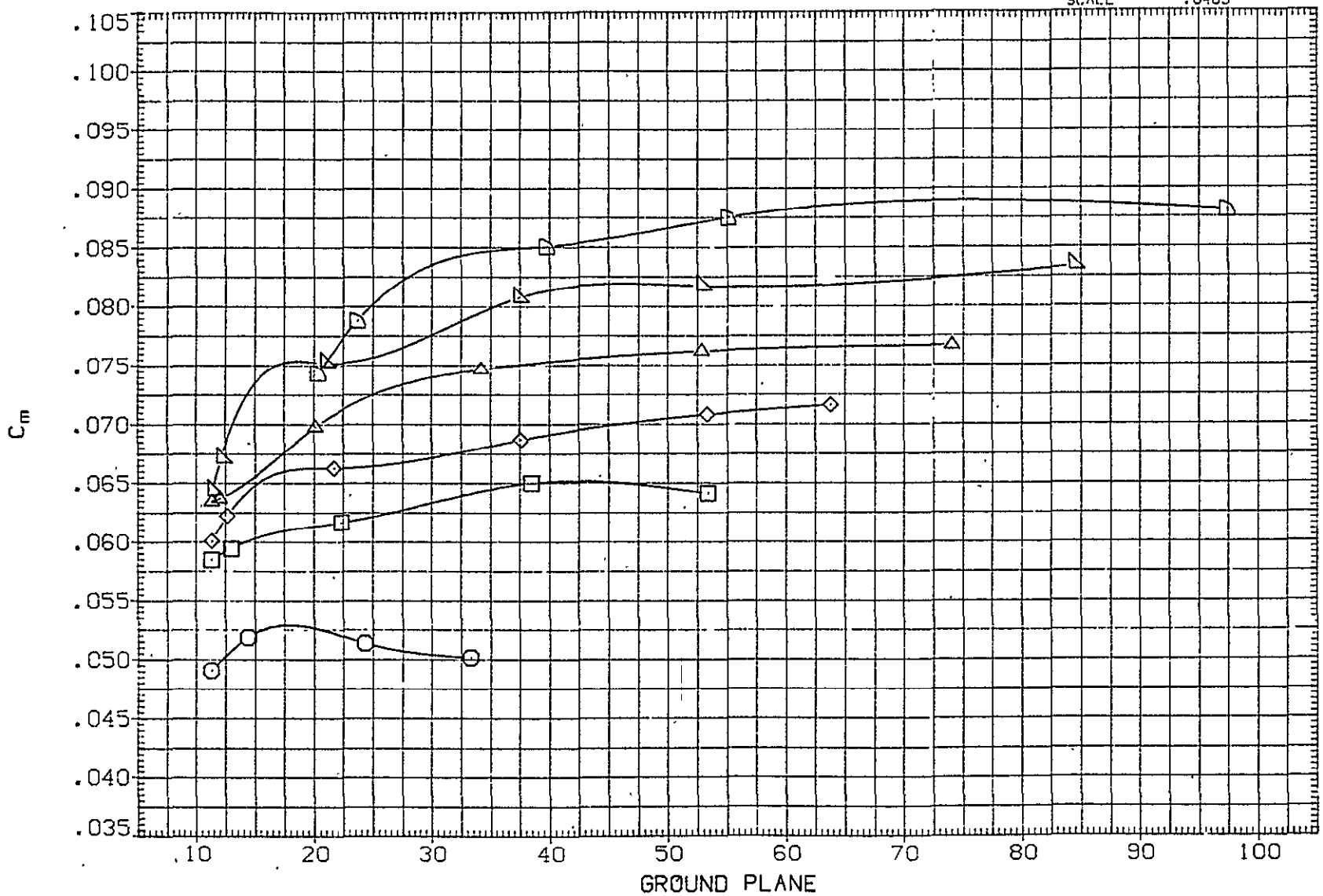

FIG 275 FERRY CON. IN GROUND PROXIMITY, STAB = -4. FLAPS 20 IORB=3. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF416)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.239	3.000	-11.700	.000
(TJF417)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.132	3.000	-11.700	.000
(TJF418)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.160	3.000	-11.700	.000
(TJF419)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.144	3.000	-11.700	.000
(TJF420)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.094	3.000	-11.700	.000
(TJF421)		(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.106	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

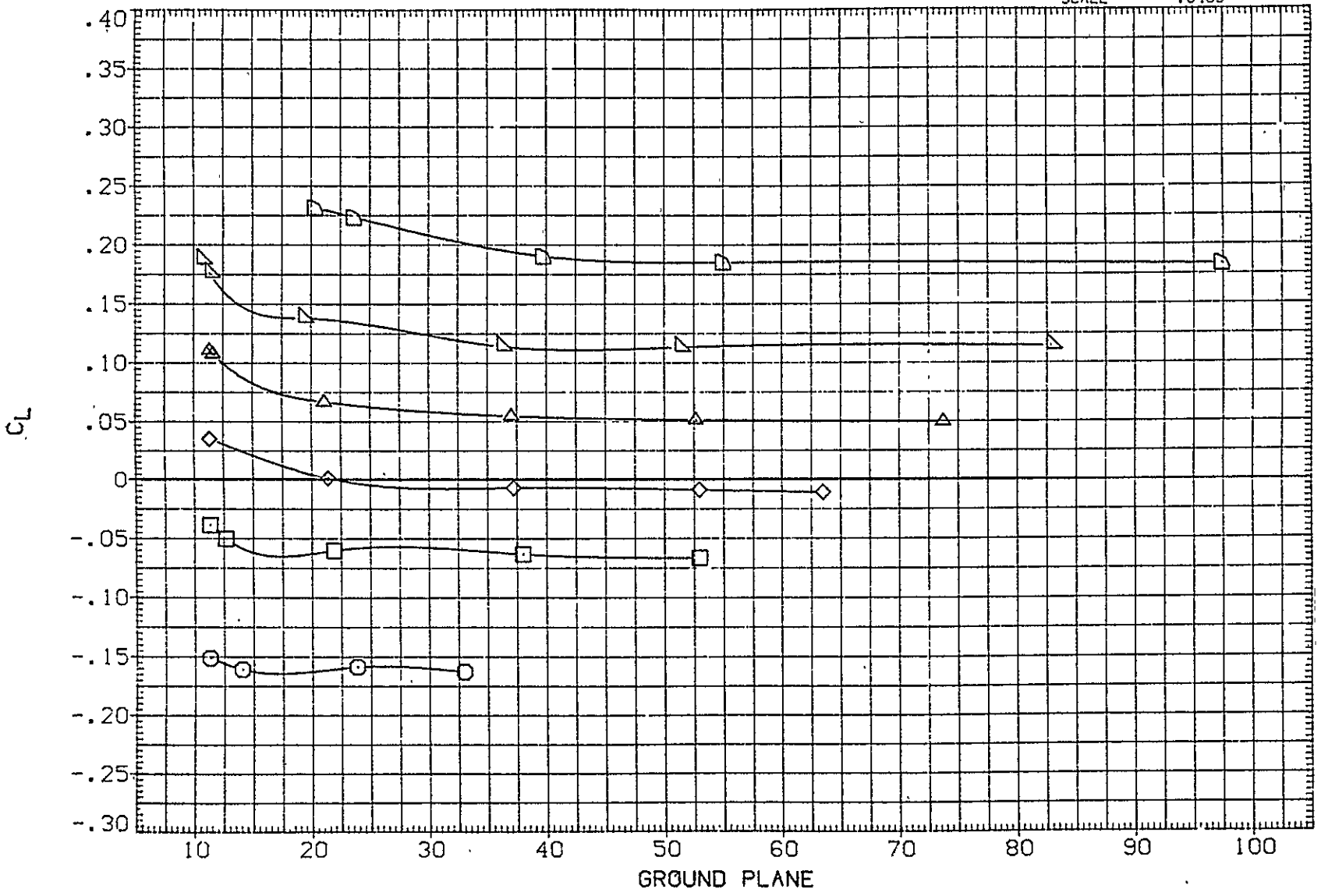

FIG 276 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF416)	○	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	.239	3.000	-11.700	.000
(TJF417)	□	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	4.132	3.000	-11.700	.000
(TJF418)	◇	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	6.160	3.000	-11.700	.000
(TJF419)	△	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	8.144	3.000	-11.700	.000
(TJF420)	▽	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	10.094	3.000	-11.700	.000
(TJF421)	▷	(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5	12.106	3.000	-11.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

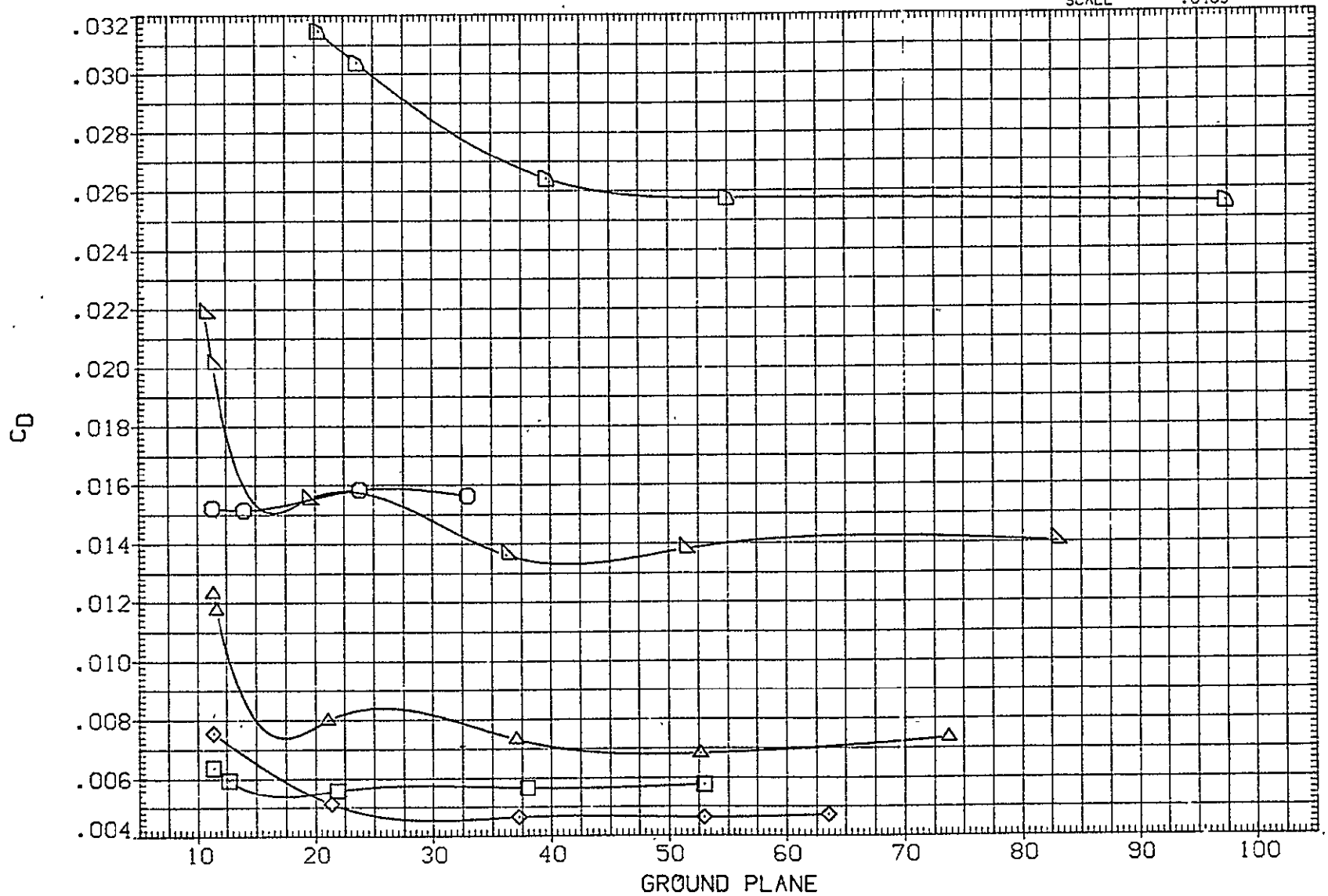

FIG 276 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON	REFERENCE INFORMATION		
(TJF416)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	.239	3.000	-11.700	.000	SREF	2690.0000	SQ.FT
(TJF417)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	4.132	3.000	-11.700	.000	LREF	474.8100	IN.
(TJF418)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	6.160	3.000	-11.700	.000	BREF	936.6800	IN.
(TJF419)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	8.144	3.000	-11.700	.000	XMRP	1109.0000	IN.XO
(TJF420)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	10.094	3.000	-11.700	.000	YMRP	.0000	IN.YO
(TJF421)		(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5	12.106	3.000	-11.700	.000	ZMRP	375.0000	IN.ZO
							SCALE	.0405	

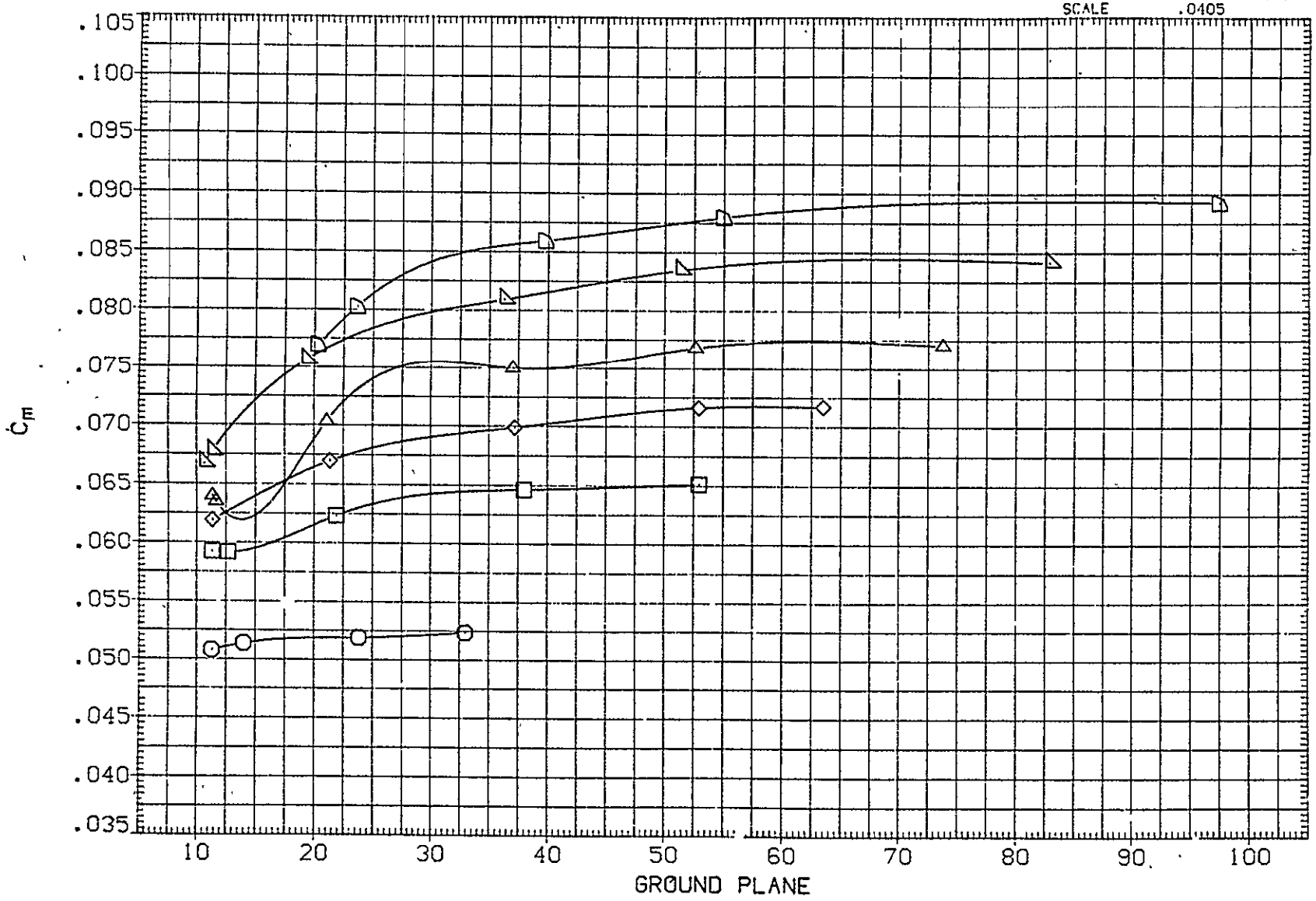

FIG 276 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=3, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF482)	○	(CA-8) K3.1TS7	F20TS40IG5.3.5	.145	6.000	-11.700	-5.000
(TJF483)	□	(CA-8) K3.1TS7	F20TS40IG5.3.5	4.103	6.000	-11.700	-5.000
(TJF484)	◇	(CA-8) K3.1TS7	F20TS40IG5.3.5	6.140	6.000	-11.700	-5.000
(TJF485)	△	(CA-8) K3.1TS7	F20TS40IG5.3.5	8.130	6.000	-11.700	-5.000
(TJF486)	▽	(CA-8) K3.1TS7	F20TS40IG5.3.5	10.130	6.000	-11.700	-5.000
(TJF487)	⬠	(CA-8) K3.1TS7	F20TS40IG5.3.5	12.185	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

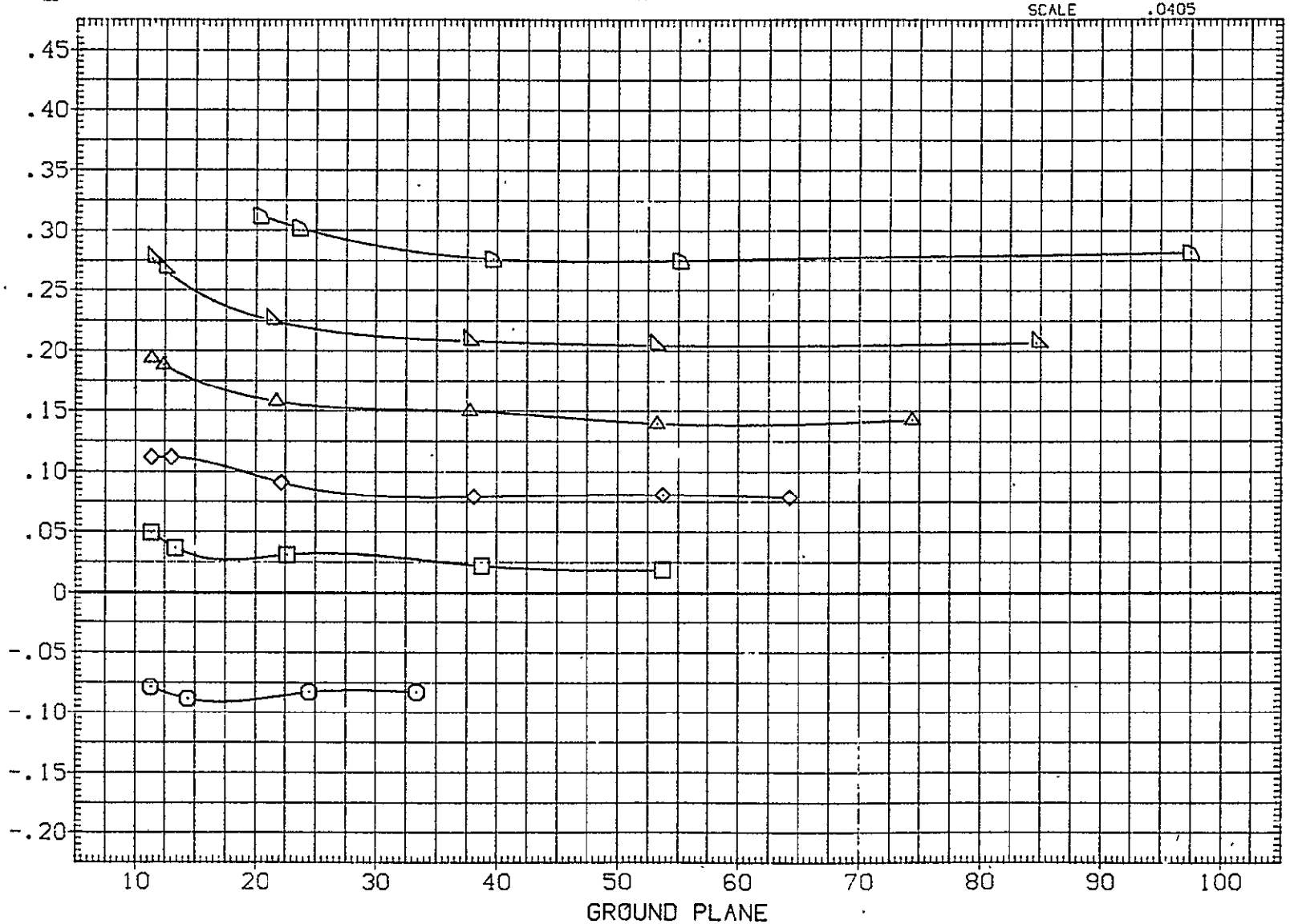

FIG 277 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF482)	○	(CA-8) K3.1TS7	F20TS40IG5.3.5	.145	6.000	-11.700	-5.000
(TJF483)	□	(CA-8) K3.1TS7	F20TS40IG5.3.5	4.103	6.000	-11.700	-5.000
(TJF484)	◇	(CA-8) K3.1TS7	F20TS40IG5.3.5	6.140	6.000	-11.700	-5.000
(TJF485)	△	(CA-8) K3.1TS7	F20TS40IG5.3.5	8.130	6.000	-11.700	-5.000
(TJF486)	◁	(CA-8) K3.1TS7	F20TS40IG5.3.5	10.130	6.000	-11.700	-5.000
(TJF487)	▷	(CA-8) K3.1TS7	F20TS40IG5.3.5	12.185	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

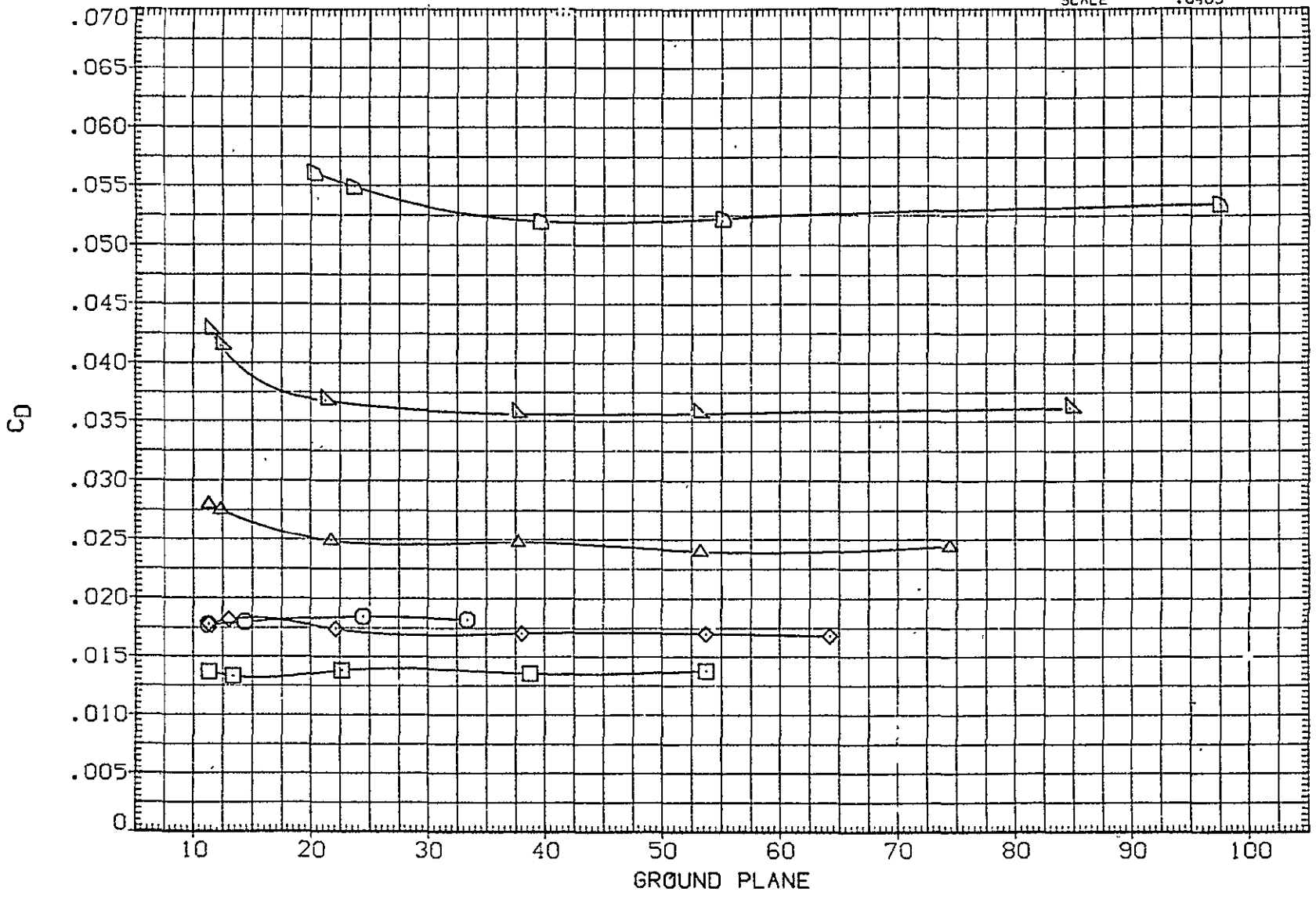

FIG 277 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20 IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF482)		(CA-8) K3.1TS7	F20TS40IG5.3.5	.145	6.000	-11.700	-5.000
(TJF483)		(CA-8) K3.1TS7	F20TS40IG5.3.5	4.103	6.000	-11.700	-5.000
(TJF484)		(CA-8) K3.1TS7	F20TS40IG5.3.5	6.140	6.000	-11.700	-5.000
(TJF485)		(CA-8) K3.1TS7	F20TS40IG5.3.5	8.130	6.000	-11.700	-5.000
(TJF486)		(CA-8) K3.1TS7	F20TS40IG5.3.5	10.130	6.000	-11.700	-5.000
(TJF487)		(CA-8) K3.1TS7	F20TS40IG5.3.5	12.185	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

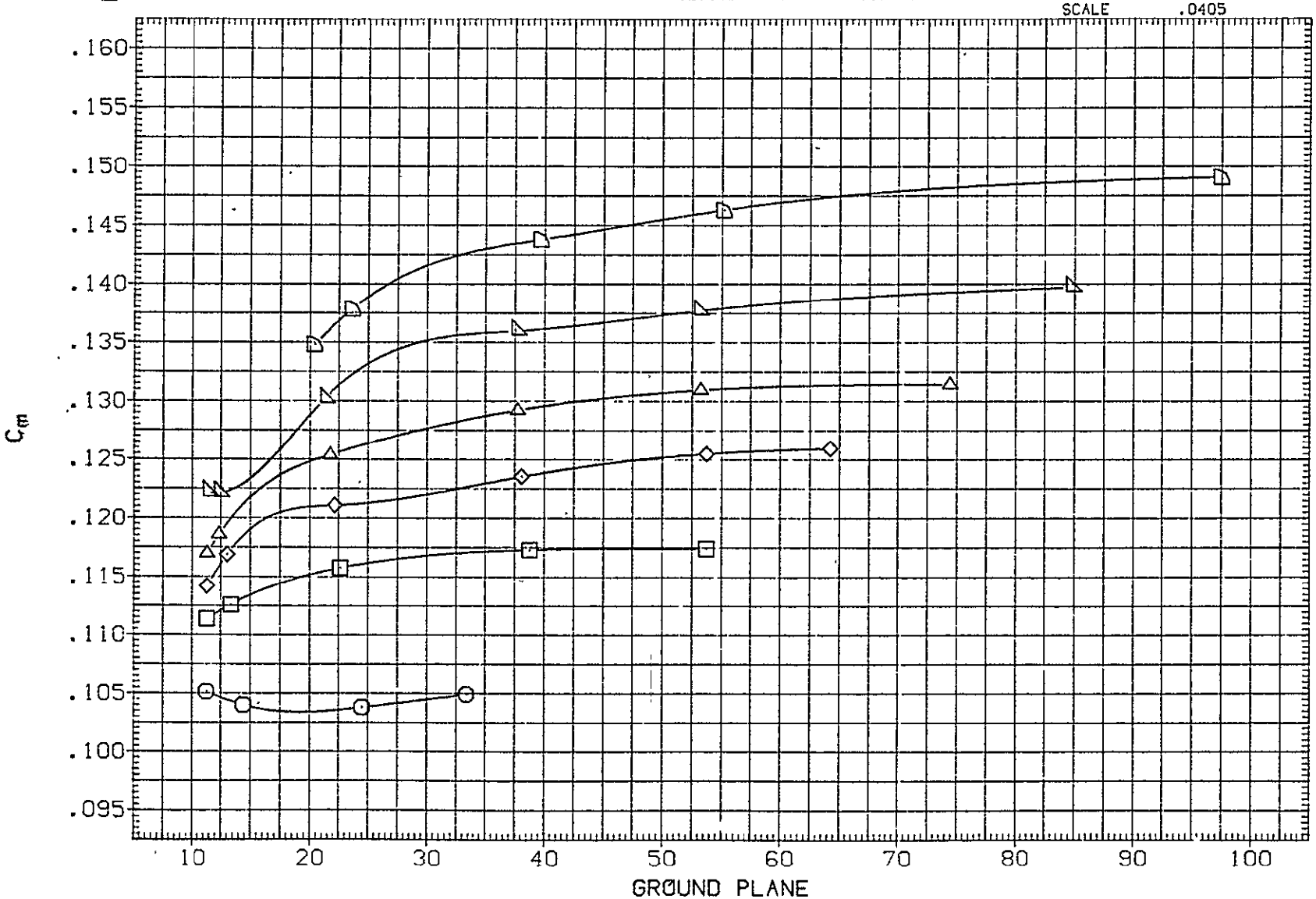

FIG 277 FERRY CON. IN GROUND PROXIMITY, HORIZ OFF. FLAPS 20 IORB=6. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF476)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.160	6.000	-11.700	-5.000
(TJF477)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.122	6.000	-11.700	-5.000
(TJF478)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.123	6.000	-11.700	-5.000
(TJF479)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.107	6.000	-11.700	-5.000
(TJF480)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.145	6.000	-11.700	-5.000
(TJF481)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.153	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

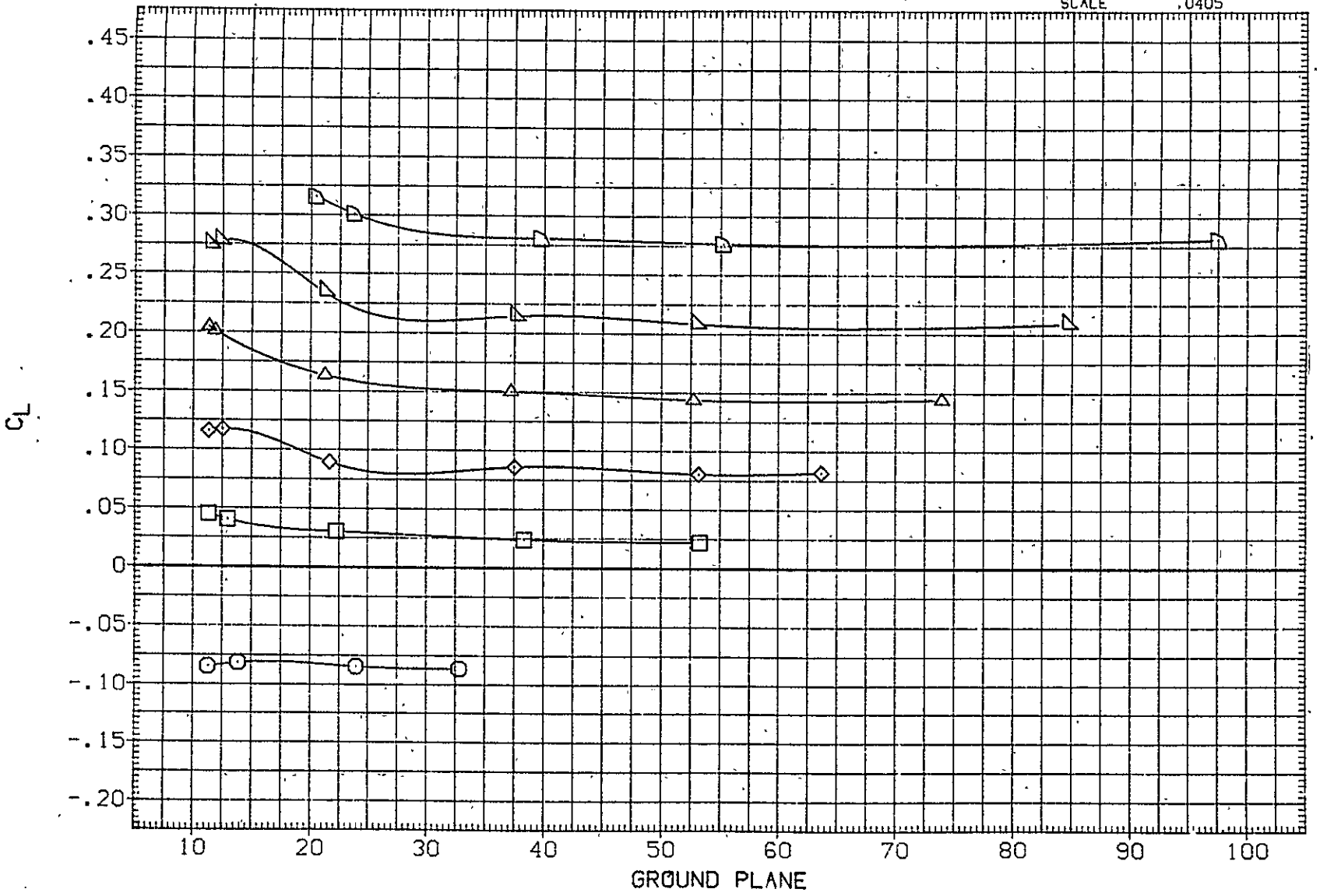

FIG 278 FERRY CON. IN GROUND PROXIMITY, STAB = 2. FLAPS 20. IORB=6. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF476)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.160	6.000	-11.700	-5.000
(TJF477)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.122	6.000	-11.700	-5.000
(TJF478)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.123	6.000	-11.700	-5.000
(TJF479)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.107	6.000	-11.700	-5.000
(TJF480)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.145	6.000	-11.700	-5.000
(TJF481)		(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.153	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMPP	375.0000	IN.ZO
SCALE	.0405	

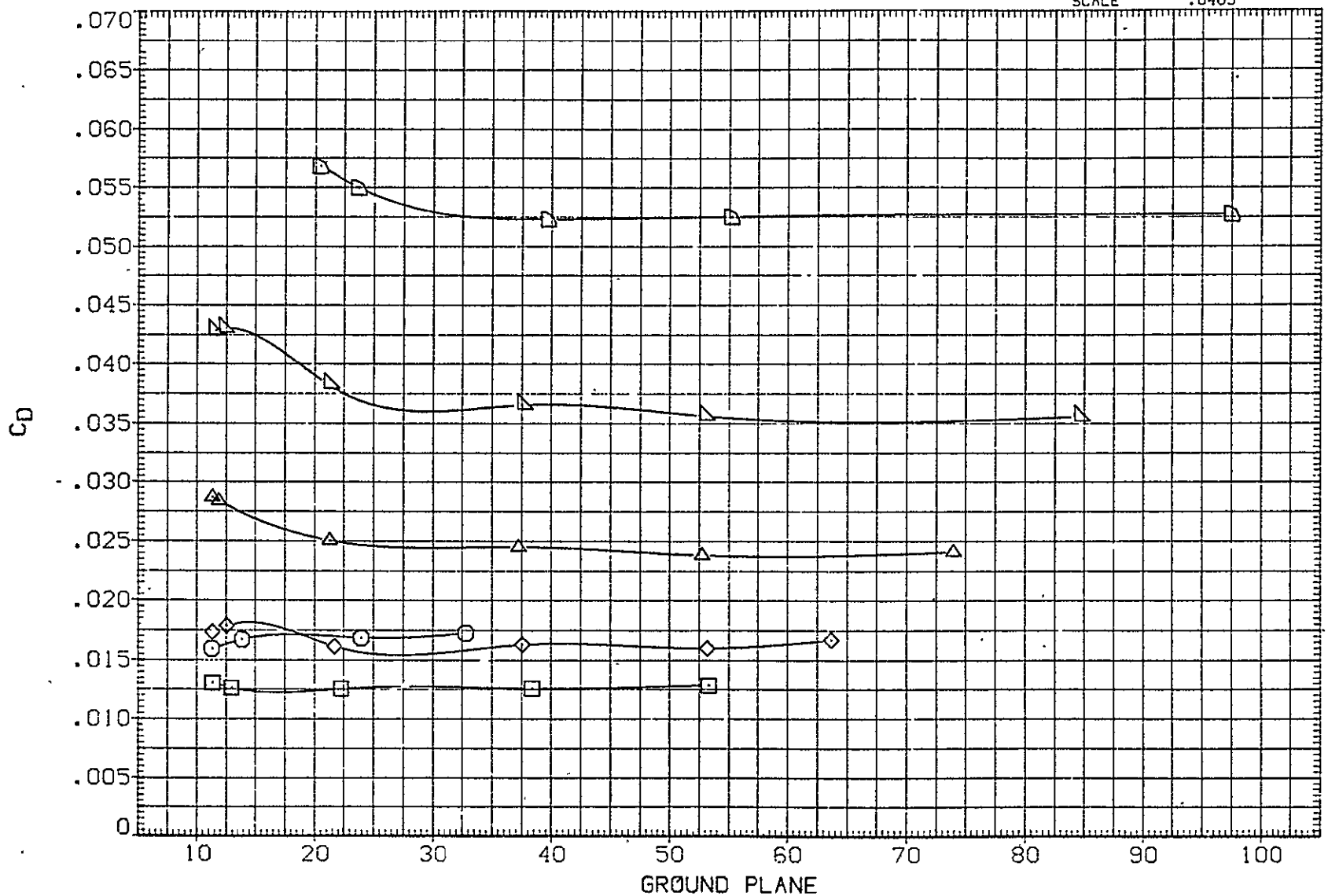

FIG 278 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF476)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.160	6.000	-11.700	-5.000
(TJF477)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.122	6.000	-11.700	-5.000
(TJF478)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.123	6.000	-11.700	-5.000
(TJF479)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.107	6.000	-11.700	-5.000
(TJF480)	◁	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.145	6.000	-11.700	-5.000
(TJF481)	▷	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.153	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

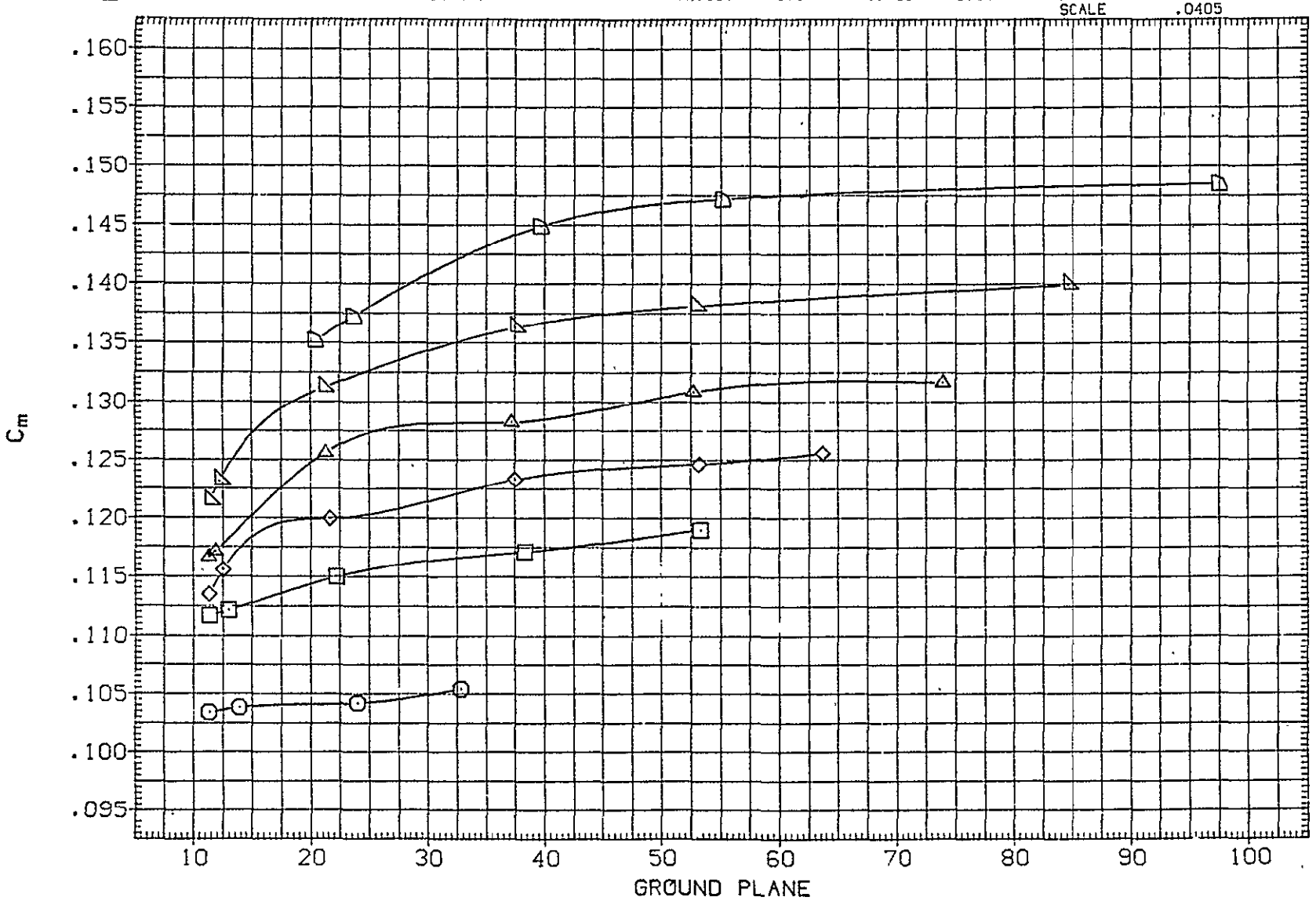

FIG 278 FERRY CON. IN GROUND PROXIMITY, STAB = 2, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF464)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.156	6.000	-11.700	-5.000
(TJF465)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.137	6.000	-11.700	-5.000
(TJF466)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.138	6.000	-11.700	-5.000
(TJF467)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.126	6.000	-11.700	-5.000
(TJF468)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.114	6.000	-11.700	-5.000
(TJF469)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.137	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

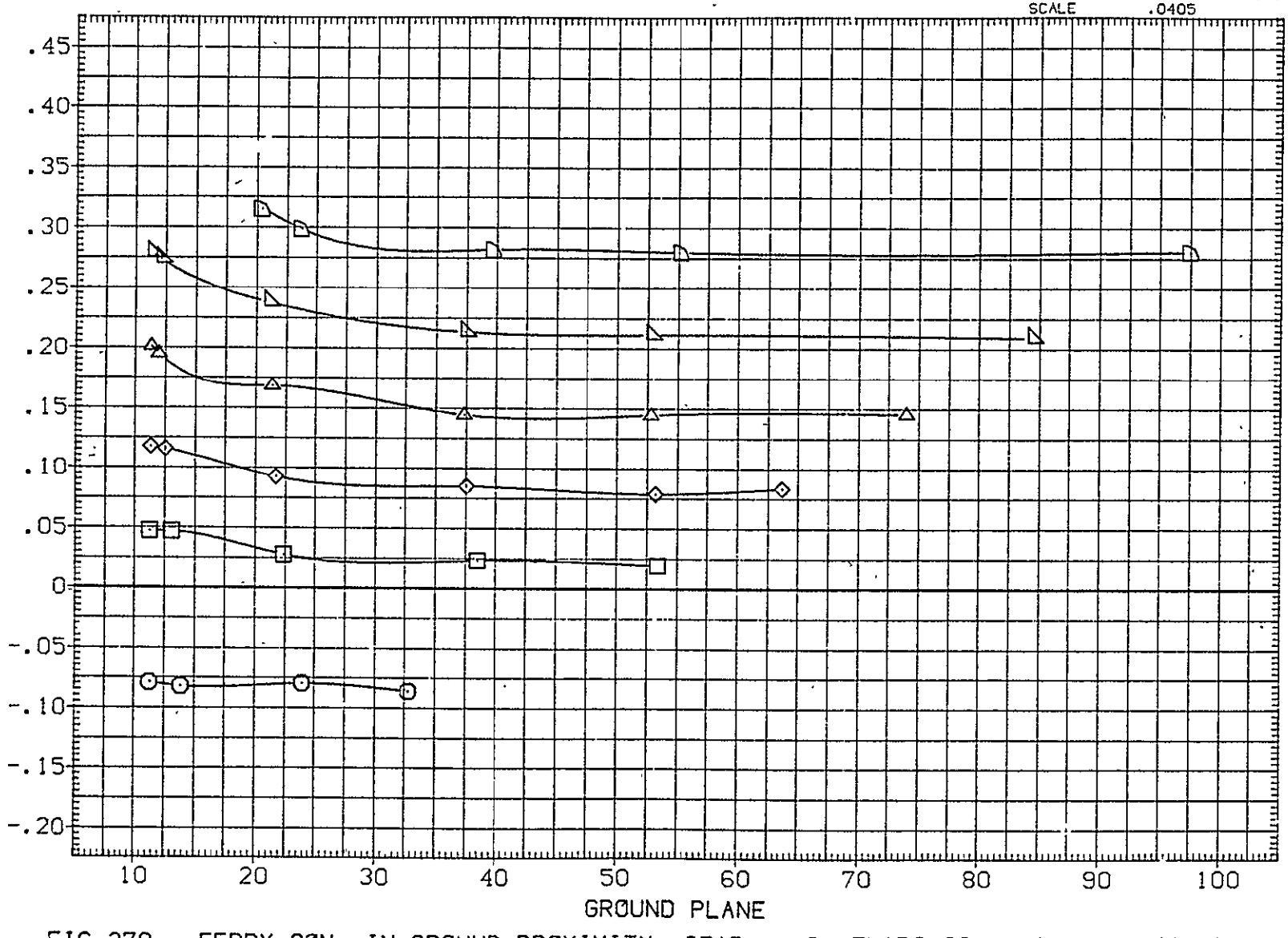

FIG 279 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF468)	▷	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF469)	D	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.136	6.000	-11.700	-5.000
4.137	6.000	-11.700	-5.000
6.138	6.000	-11.700	-5.000
8.126	6.000	-11.700	-5.000
10.114	6.000	-11.700	-5.000
12.137	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

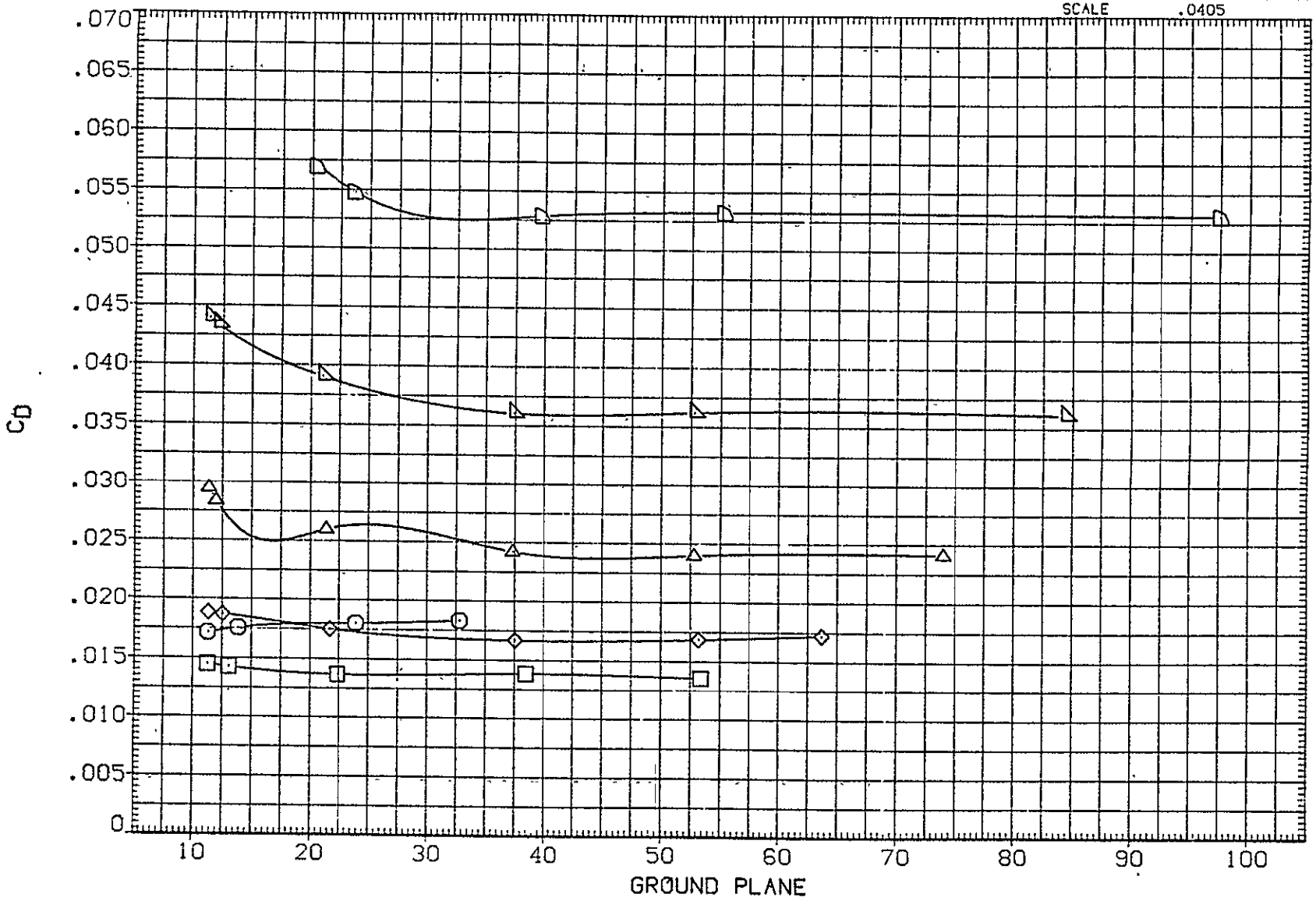

FIG 279 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF464)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF465)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF466)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF467)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF468)	▷	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF469)	D	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.156	6.000	-11.700	-5.000
4.137	6.000	-11.700	-5.000
6.138	6.000	-11.700	-5.000
8.126	6.000	-11.700	-5.000
10.114	6.000	-11.700	-5.000
12.137	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

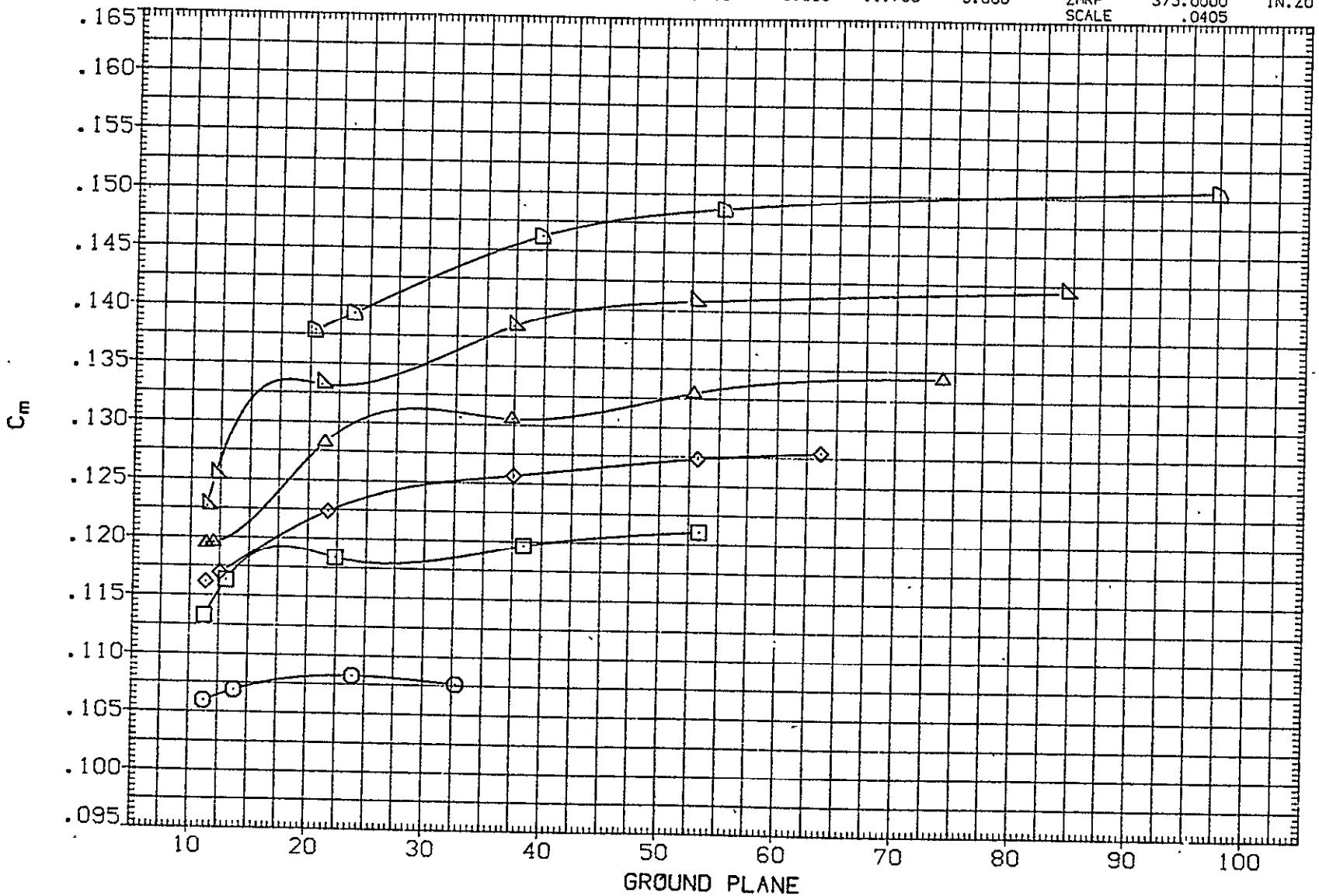

FIG 279 FERRY CON. IN GROUND PROXIMITY, STAB = 0, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.211	6.000	-11.700	-5.000
(TJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.154	6.000	-11.700	-5.000
(TJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.134	6.000	-11.700	-5.000
(TJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000
(TJF474)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.110	6.000	-11.700	-5.000
(TJF475)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.143	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XQ
YMRP	.0000	IN.YQ
ZMRP	375.0000	IN.ZQ
SCALE	.0405	

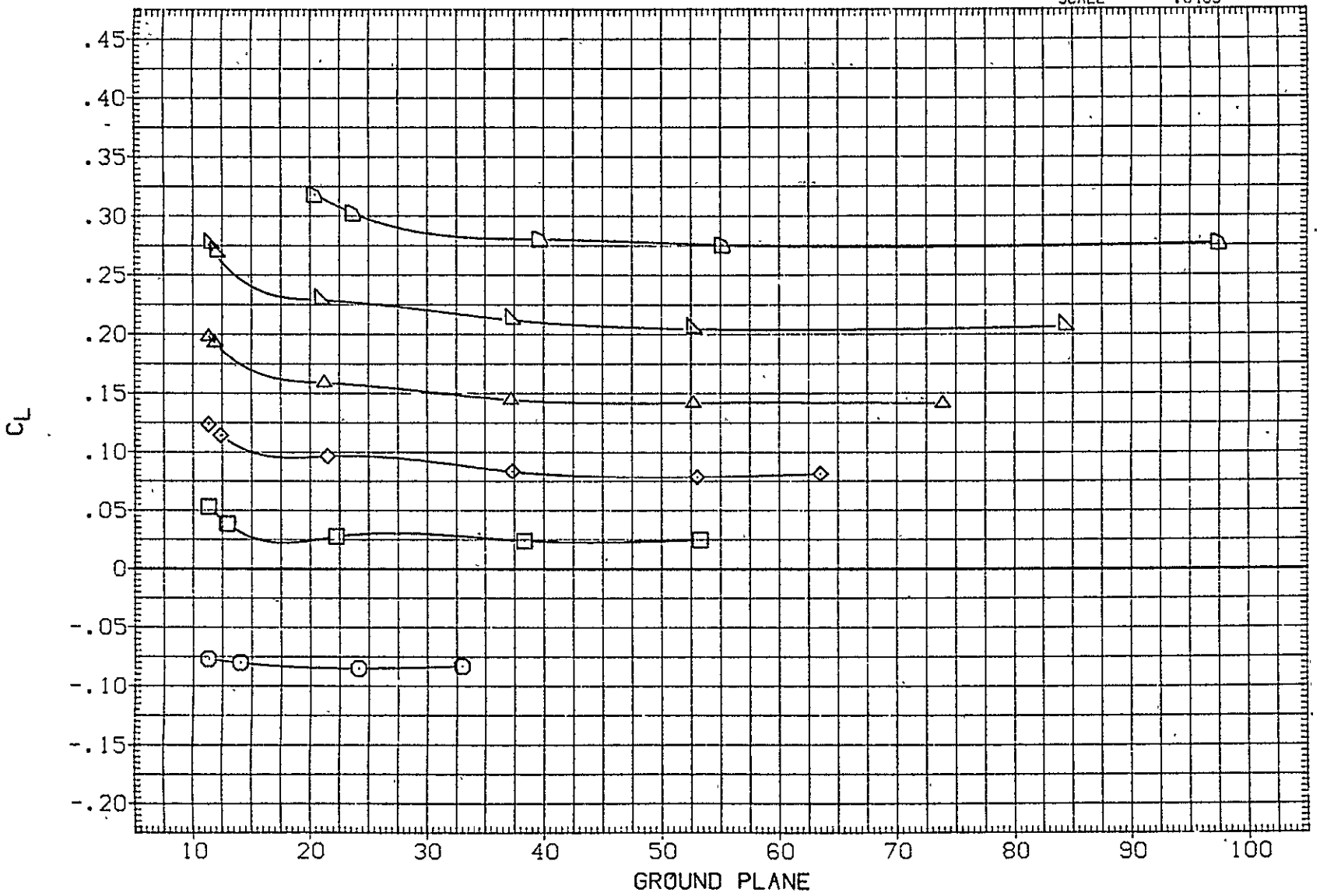

FIG 280 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.211	6.000	-11.700	-5.000
(TJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.154	6.000	-11.700	-5.000
(TJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.134	6.000	-11.700	-5.000
(TJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000
(TJF474)	◁	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.110	6.000	-11.700	-5.000
(TJF475)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.143	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

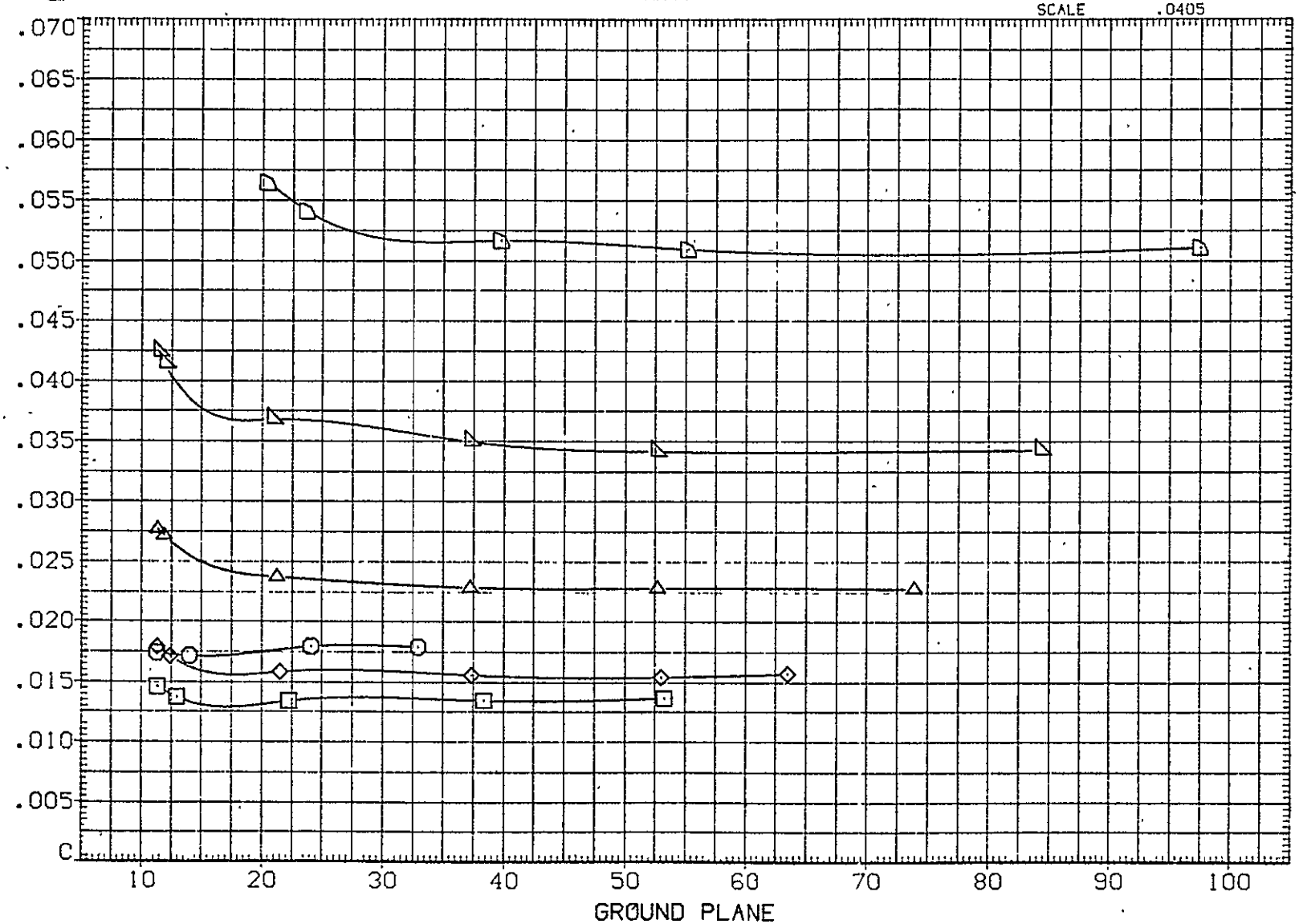

FIG 280 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF470)	○	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5
(TJF471)	□	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5
(TJF472)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5
(TJF473)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5
(TJF474)	▷	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5
(TJF475)	▷	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.211	6.000	-11.700	-5.000
4.154	6.000	-11.700	-5.000
6.134	6.000	-11.700	-5.000
8.145	6.000	-11.700	-5.000
10.110	6.000	-11.700	-5.000
12.143	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

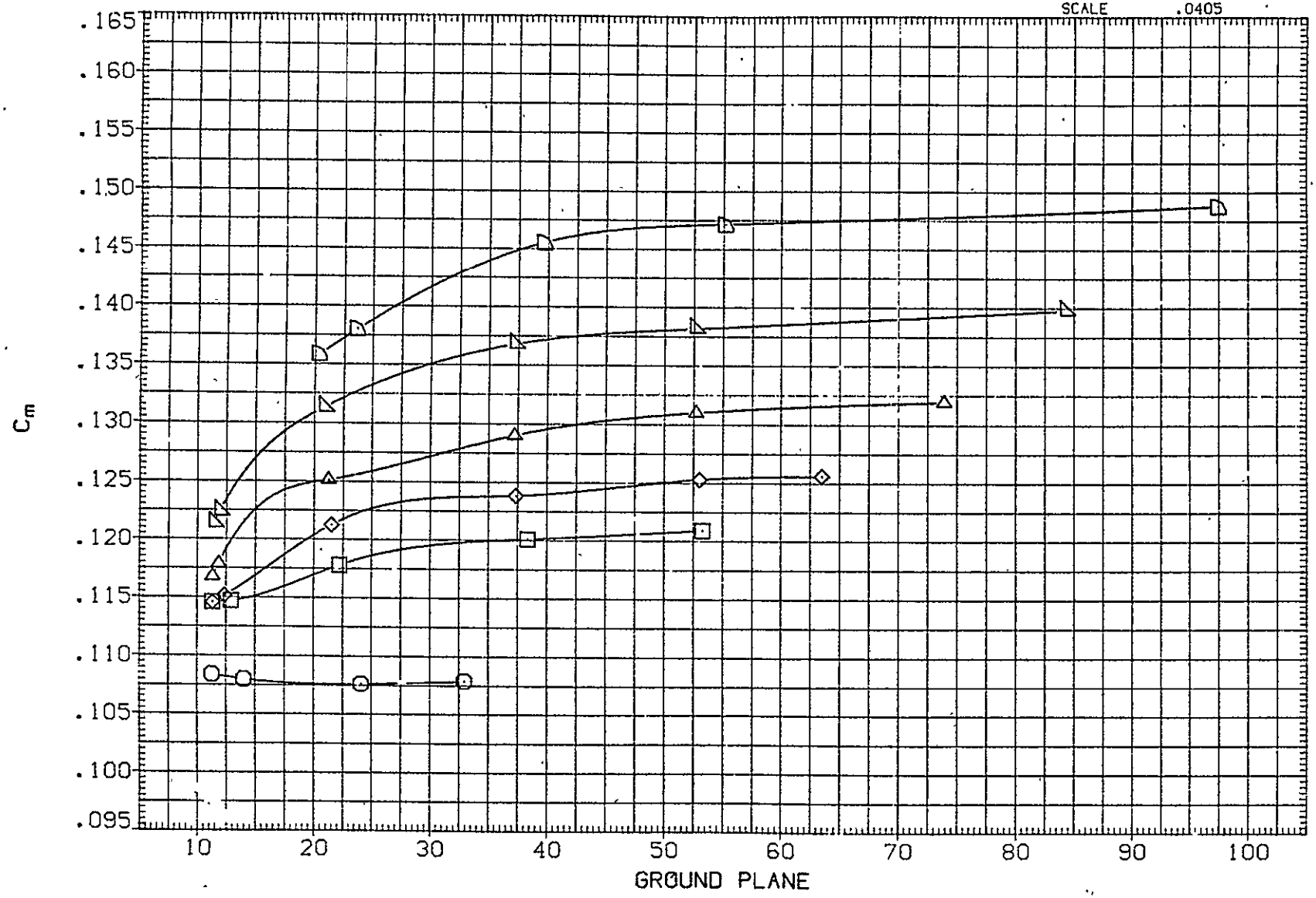

FIG 280 FERRY CON. IN GROUND PROXIMITY, STAB = -2, FLAPS 20, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.166	6.000	-11.700	-5.000
(TJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.115	6.000	-11.700	-5.000
(TJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.174	6.000	-11.700	-5.000
(TJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-11.700	-5.000
(TJF492)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.122	6.000	-11.700	-5.000
(TJF493)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.184	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

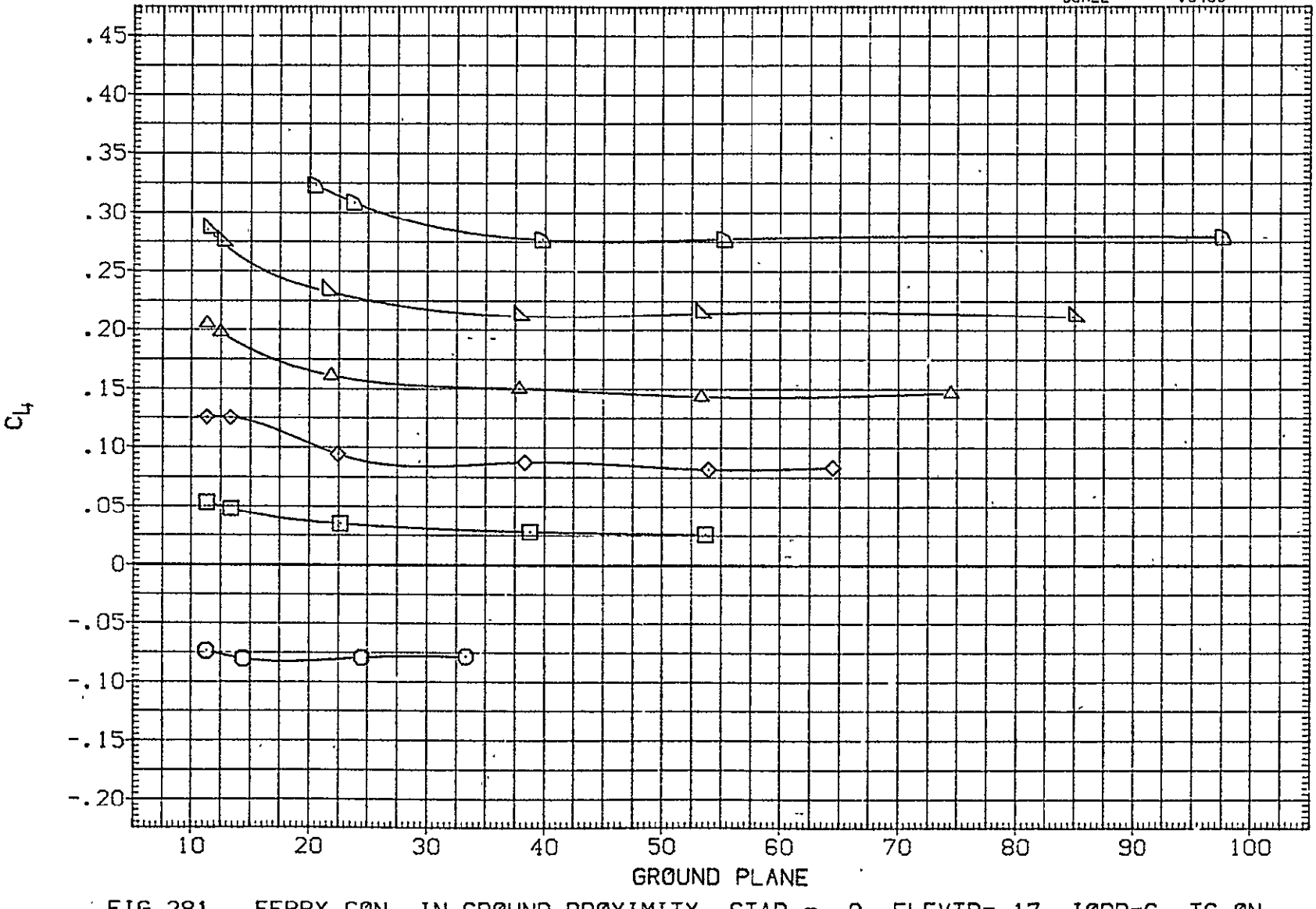

FIG 281 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF488)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF489)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF490)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF491)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF492)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5
(TJF493)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.166	6.000	-11.700	-5.000
4.115	6.000	-11.700	-5.000
6.174	6.000	-11.700	-5.000
8.145	6.000	-11.700	-5.000
10.122	6.000	-11.700	-5.000
12.184	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

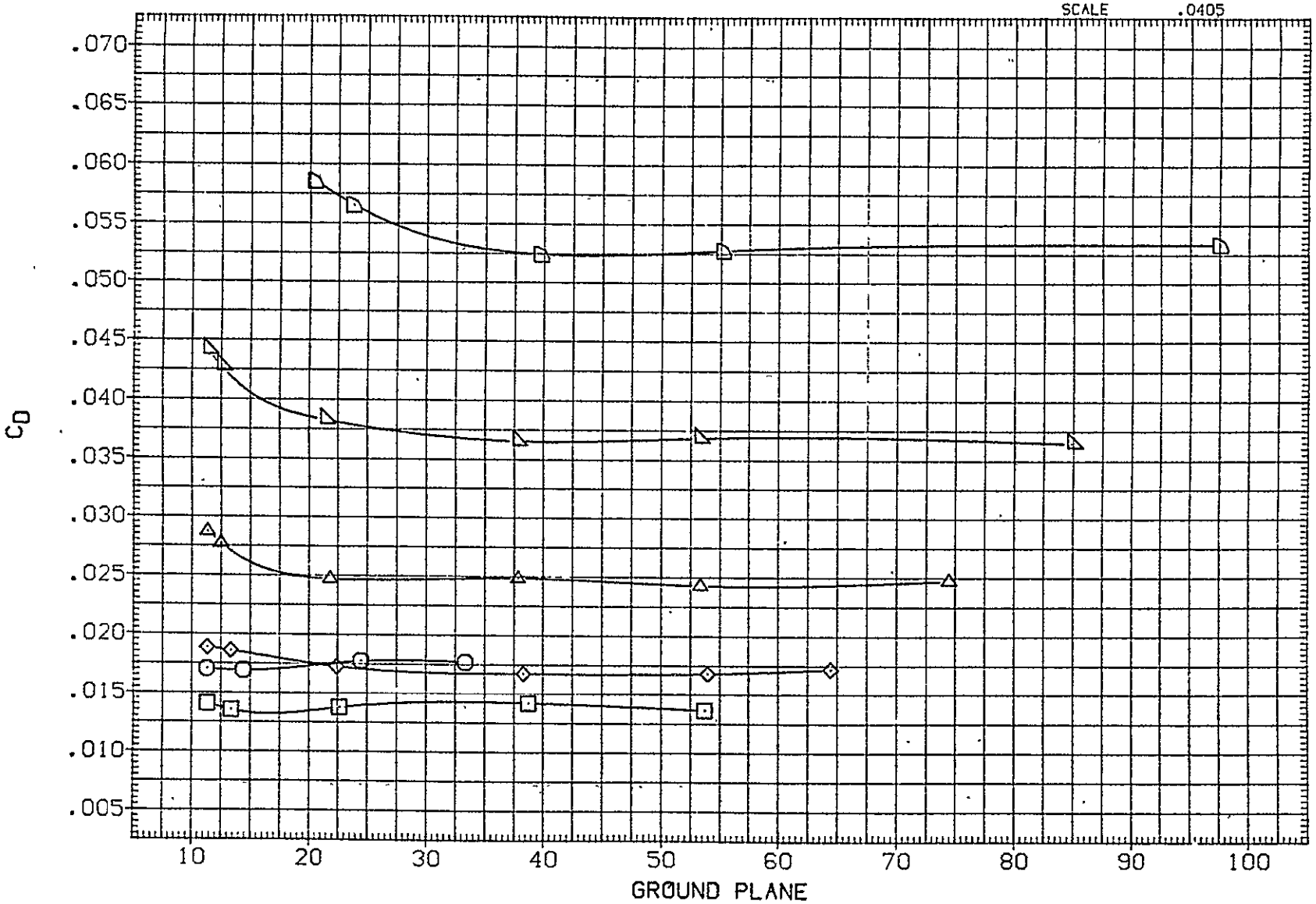

FIG 281 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF488)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.166	6.000	-1[illegible].700	-5.000
(TJF489)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.115	6.000	-1[illegible].700	-5.000
(TJF490)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.174	6.000	-1[illegible].700	-5.000
(TJF491)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.145	6.000	-1[illegible].700	-5.000
(TJF492)	◁	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.122	6.000	-1[illegible].700	-5.000
(TJF493)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.184	6.000	-1[illegible].700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

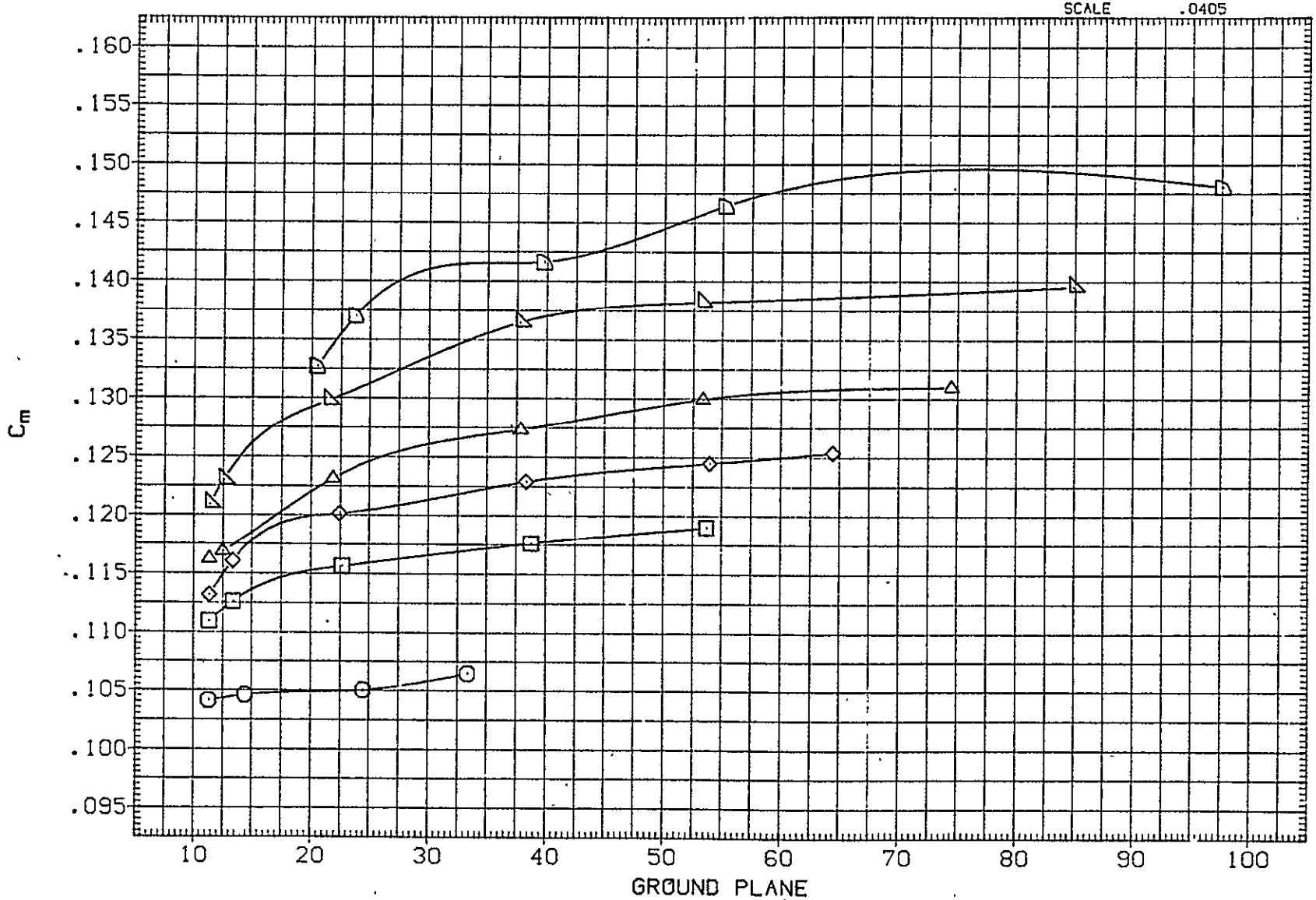

FIG 281 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR= 17, IORB=6, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF494)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.161	6.000	-11.700	-5.000
(TJF495)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.131	6.000	-11.700	-5.000
(TJF496)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.129	6.000	-11.700	-5.000
(TJF497)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.125	6.000	-11.700	-5.000
(TJF498)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.133	6.000	-11.700	-5.000
(TJF499)		(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.146	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

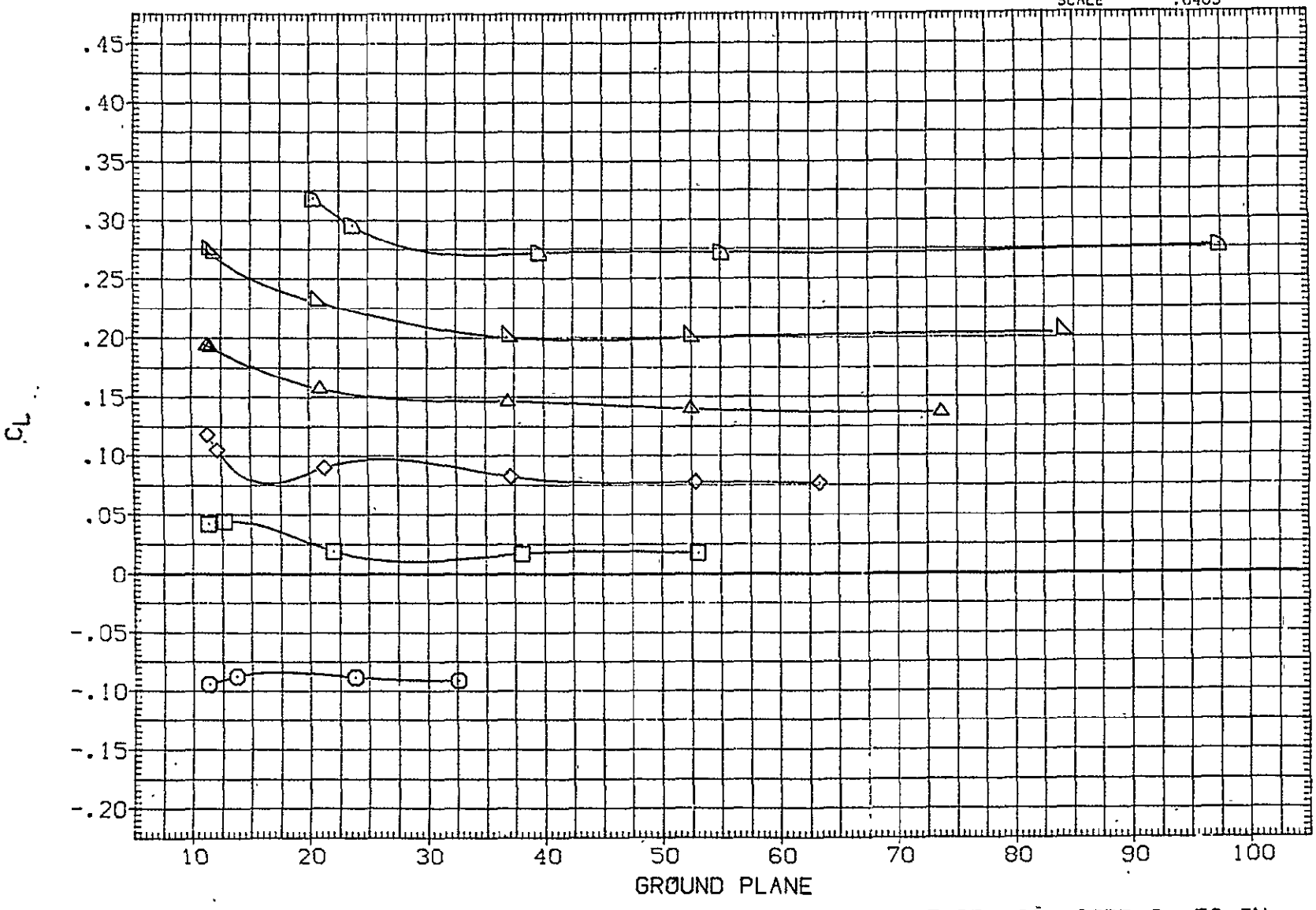

FIG 282 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6. TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IØRB	BDFLAP	ELEVØN
(TJF494)	○	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.161	6.000	-11.700	-5.000
(TJF495)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	6.000	-11.700	-5.000
(TJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.129	6.000	-11.700	-5.000
(TJF497)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.125	6.000	-11.700	-5.000
(TJF498)	◁	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.133	6.000	-11.700	-5.000
(TJF499)	▷	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.146	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XØ
YMRP	.0000	IN.YØ
ZMRP	375.0000	IN.ZØ
SCALE	.0405	

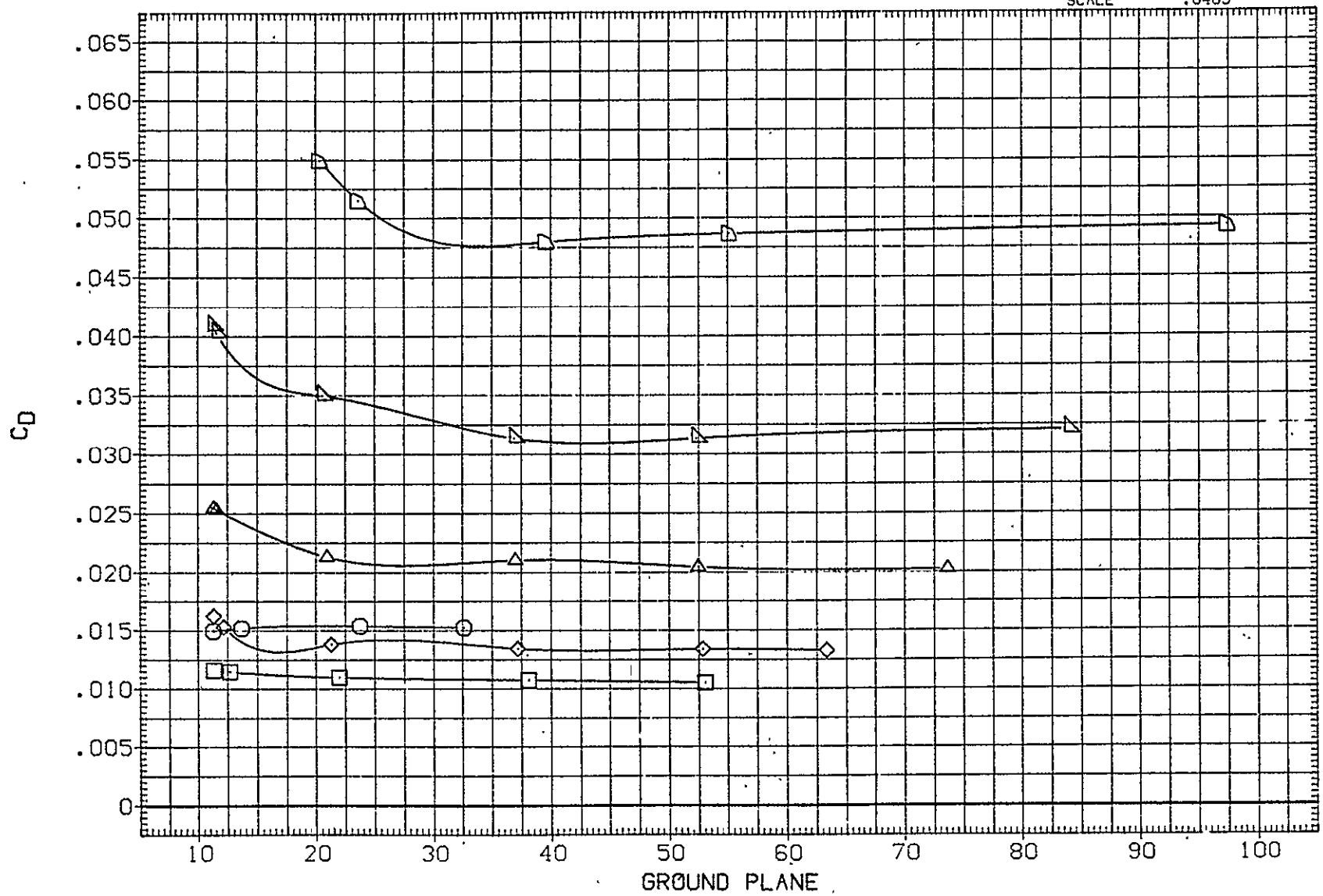

FIG 282 FERRY CØN. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IØRB=6, TC ØN ØRBITER BALANCE .DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF494)	□	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.161	6.000	-11.700	-5.000
(TJF495)	▽	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	6.000	-11.700	-5.000
(TJF496)	◇	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.129	6.000	-11.700	-5.000
(TJF497)	◁	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.125	6.000	-11.700	-5.000
(TJF498)	▷	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.133	6.000	-11.700	-5.000
(TJF499)	△	(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.146	6.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

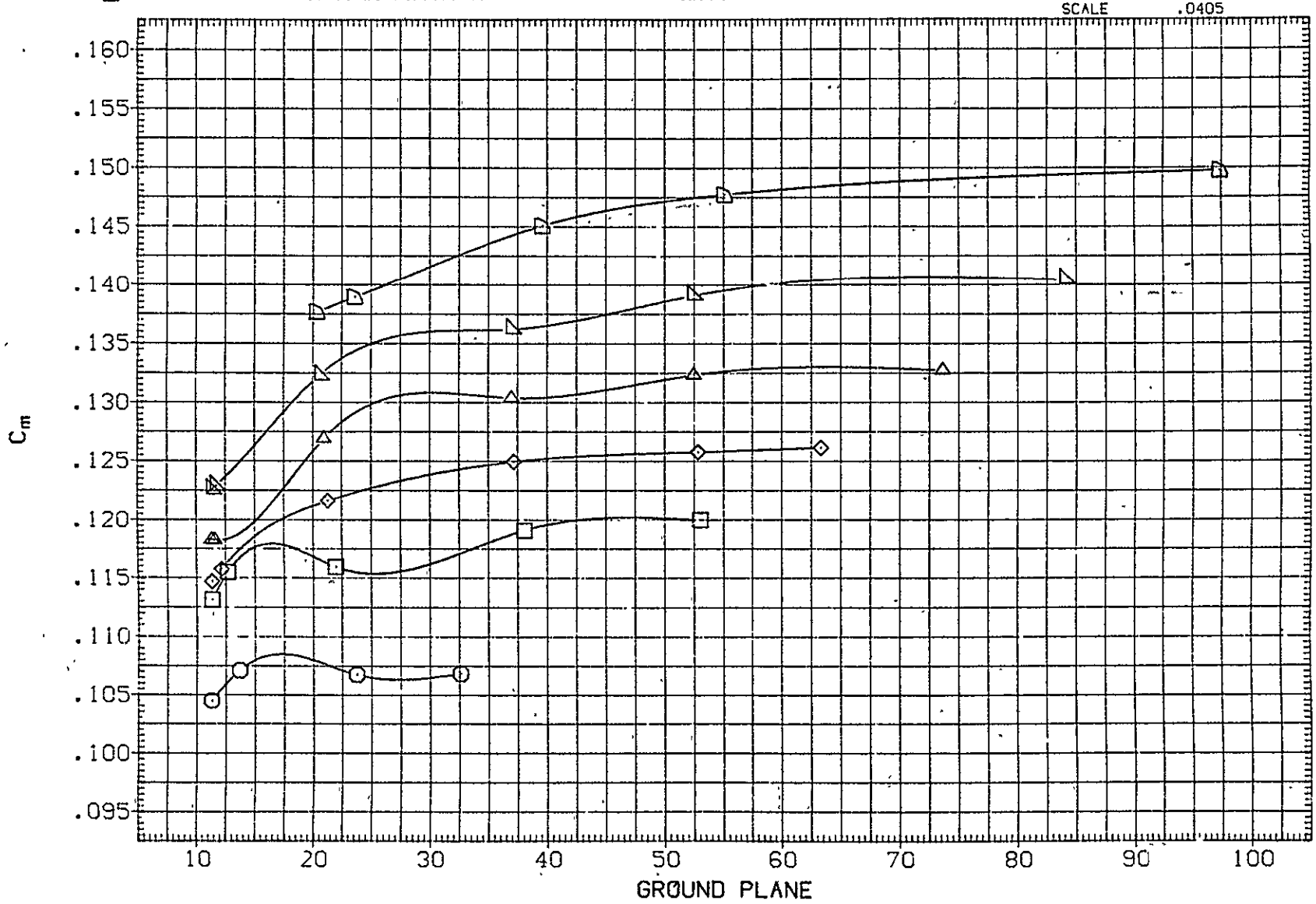

FIG 282 FERRY CON. IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF351)	○	(CA-8) K3.1TS7	F10TS402G5.3.5	.239	6.000	.000	-5.000
(TJF352)	□	(CA-8) K3.1TS7	F10TS402G5.3.5	4.108	6.000	.000	-5.000
(TJF353)	◇	(CA-8) K3.1TS7	F10TS402G5.3.5	6.177	6.000	.000	-5.000
(TJF354)	⊿	(CA-8) K3.1TS7	F10TS402G5.3.5	8.175	6.000	.000	-5.000
(TJF355)	◁	(CA-8) K3.1TS7	F10TS402G5.3.5	10.215	6.000	.000	-5.000
(TJF356)	▷	(CA-8) K3.1TS7	F10TS402G5.3.5	12.152	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

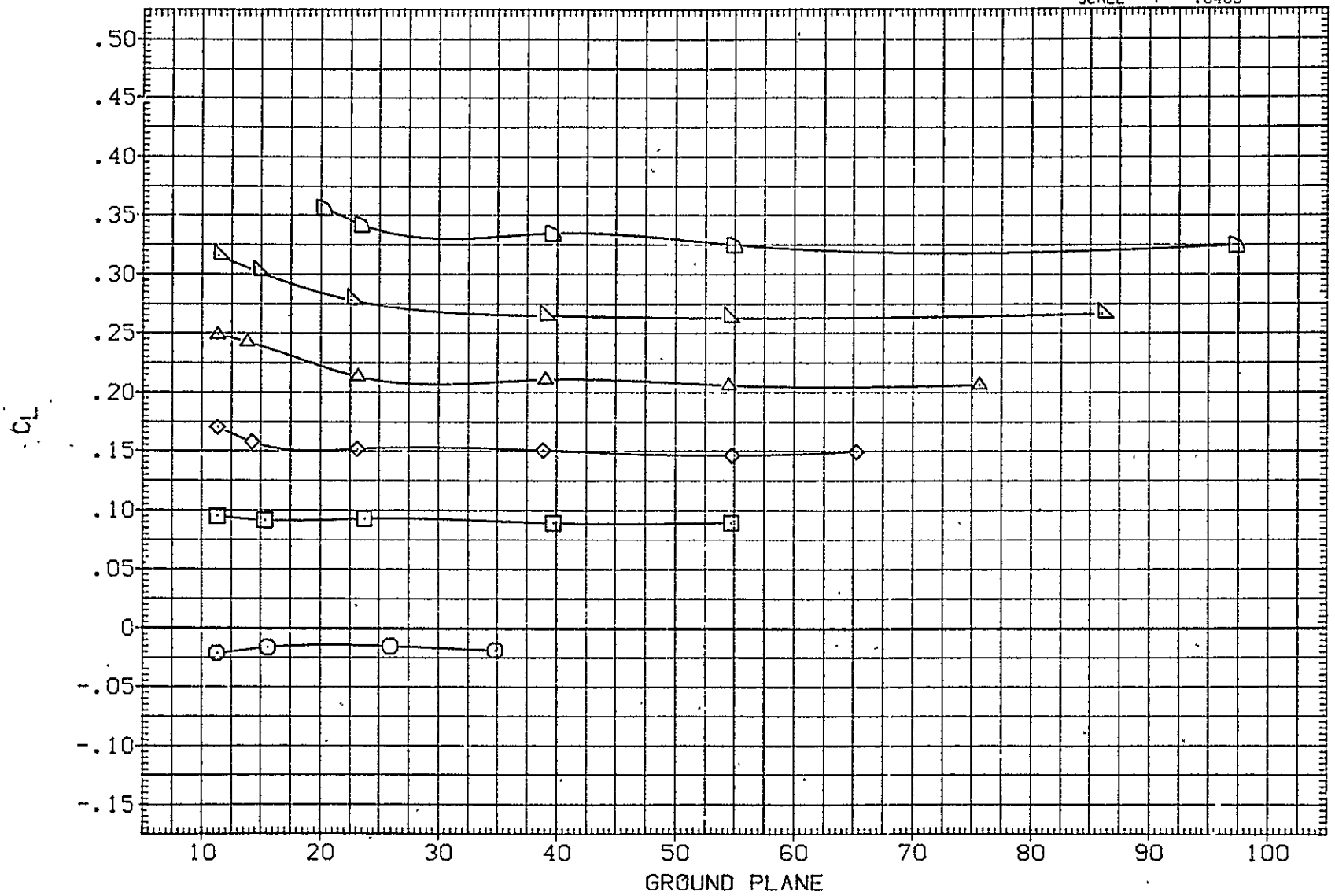

FIG 283 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF351)	○	(CA-8) K3.1TS7	F10TS402G5.3.5	.239	6.000	.000	-5.000
(TJF352)	□	(CA-8) K3.1TS7	F10TS402G5.3.5	4.108	6.000	.000	-5.000
(TJF353)	◇	(CA-8) K3.1TS7	F10TS402G5.3.5	6.177	6.000	.000	-5.000
(TJF354)	△	(CA-8) K3.1TS7	F10TS402G5.3.5	8.175	6.000	.000	-5.000
(TJF355)	◁	(CA-8) K3.1TS7	F10TS402G5.3.5	10.215	6.000	.000	-5.000
(TJF356)	▷	(CA-8) K3.1TS7	F10TS402G5.3.5	12.152	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

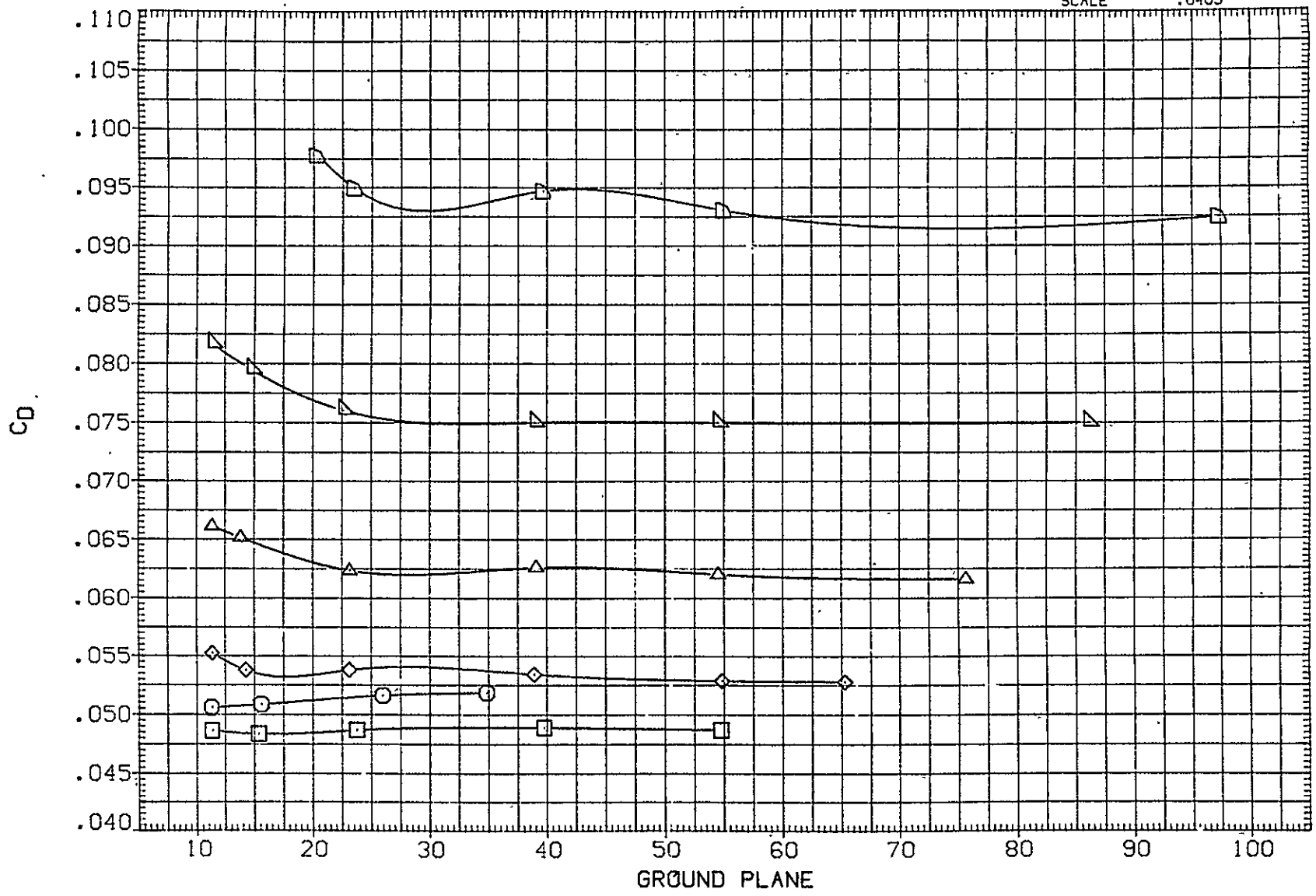

FIG 283 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF351)	○	(CA-8) K3.1TS7	F10TS40ZG5.3.5	.239	6.000	.000	-5.000
(TJF352)	□	(CA-8) K3.1TS7	F10TS40ZG5.3.5	4.108	6.000	.000	-5.000
(TJF353)	◇	(CA-8) K3.1TS7	F10TS40ZG5.3.5	6.177	6.000	.000	-5.000
(TJF354)	△	(CA-8) K3.1TS7	F10TS40ZG5.3.5	8.175	6.000	.000	-5.000
(TJF355)	◁	(CA-8) K3.1TS7	F10TS40ZG5.3.5	10.215	6.000	.000	-5.000
(TJF356)	▷	(CA-8) K3.1TS7	F10TS40ZG5.3.5	12.152	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMPP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

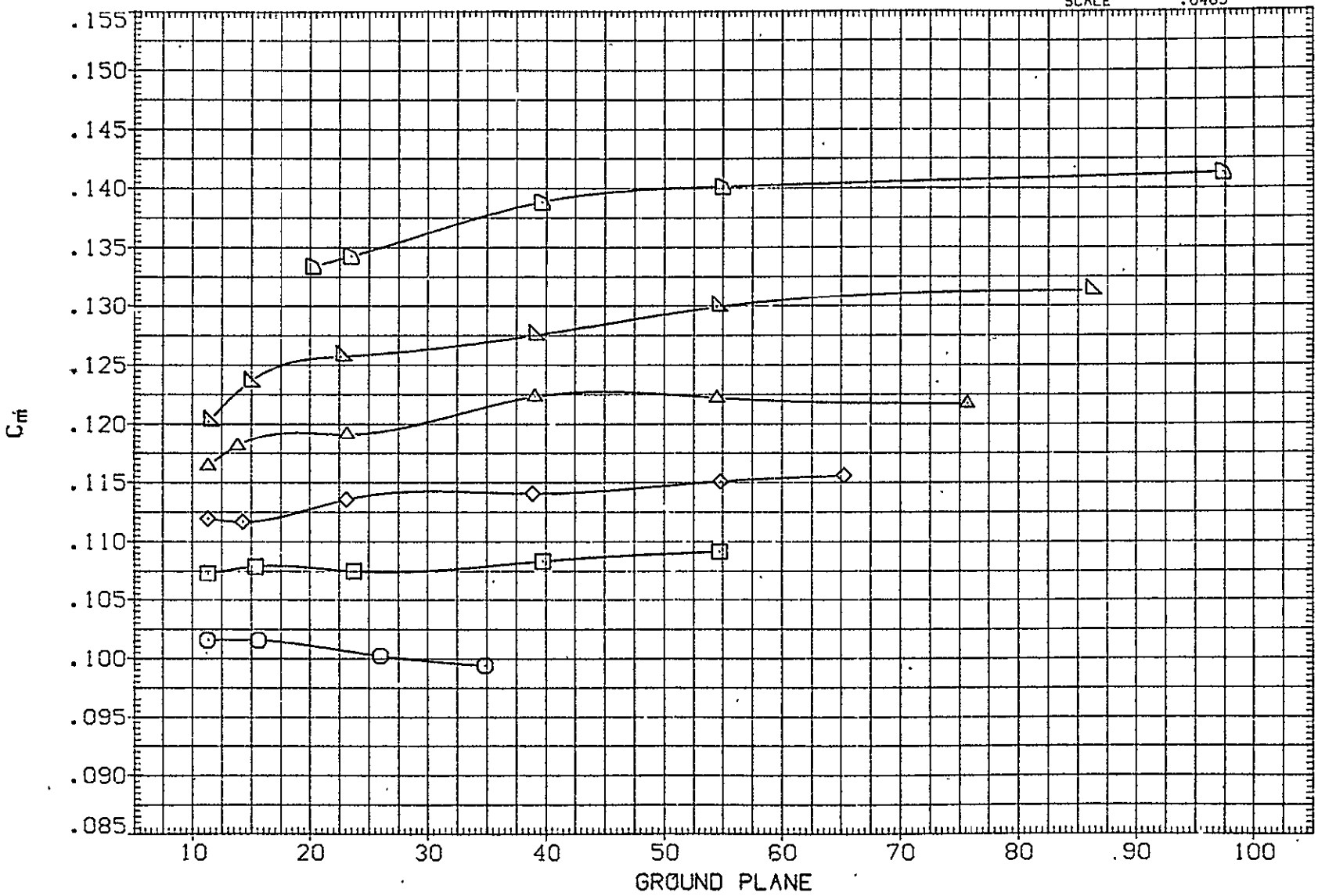

FIG 283 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF345)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000
(TJF346)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000
(TJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000
(TJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000
(TJF349)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000
(TJF350)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

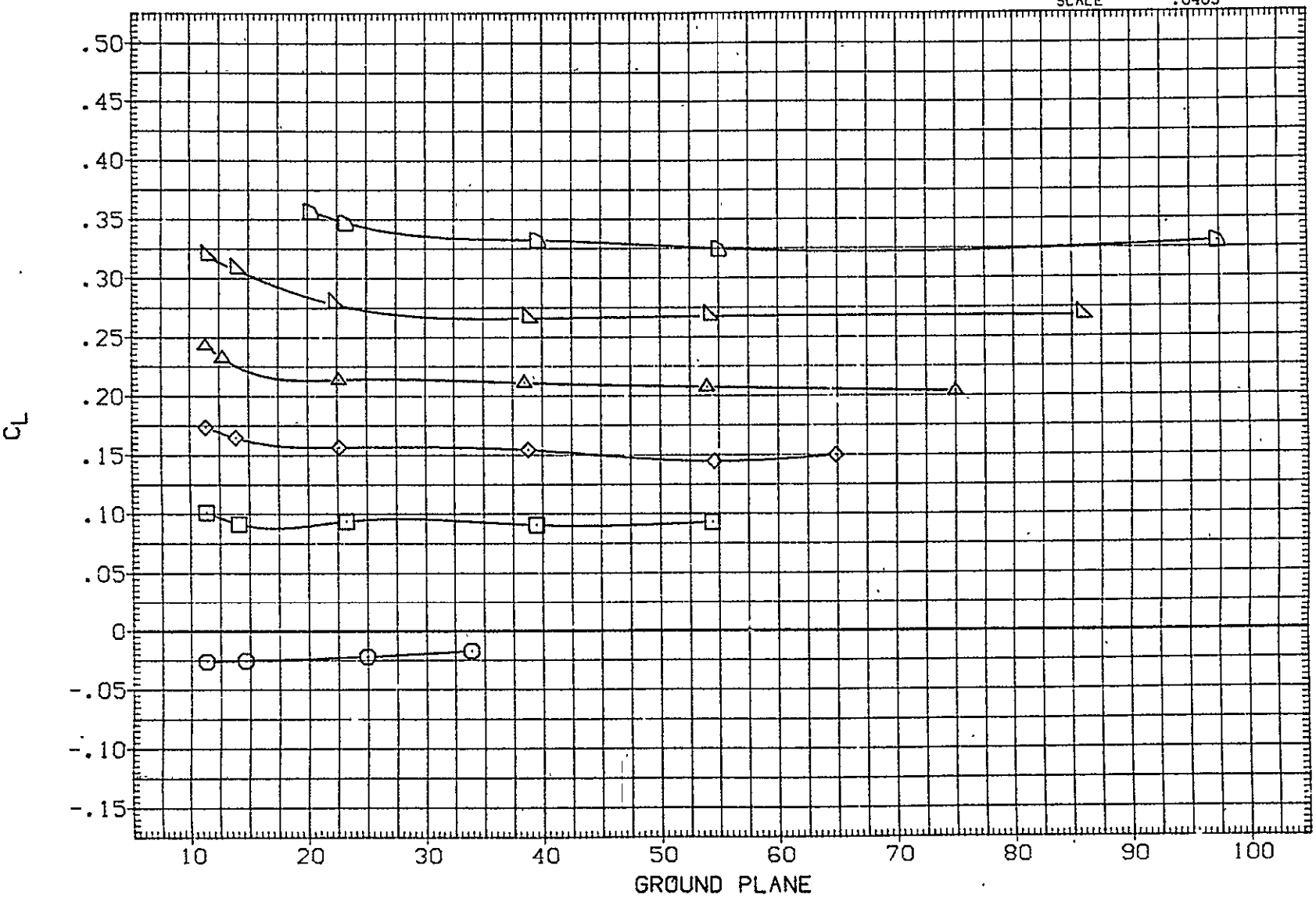

FIG 284 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF345)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000
(TJF346)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000
(TJF347)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000
(TJF348)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000
(TJF349)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000
(TJF350)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

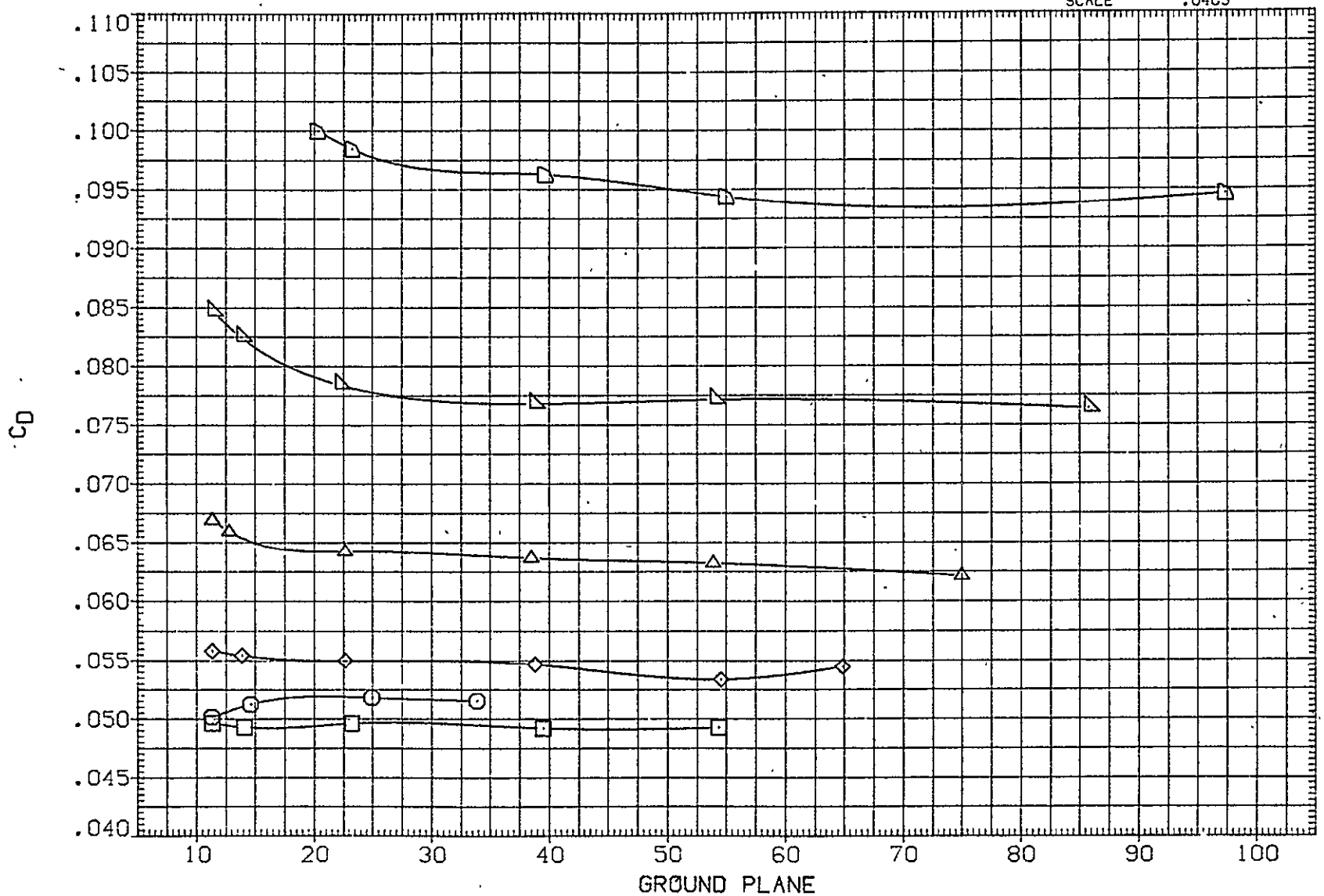

FIG 284 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF345)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.142	6.000	.000	-5.000
(TJF346)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.102	6.000	.000	-5.000
(TJF347)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.145	6.000	.000	-5.000
(TJF348)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.104	6.000	.000	-5.000
(TJF349)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.197	6.000	.000	-5.000
(TJF350)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.193	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

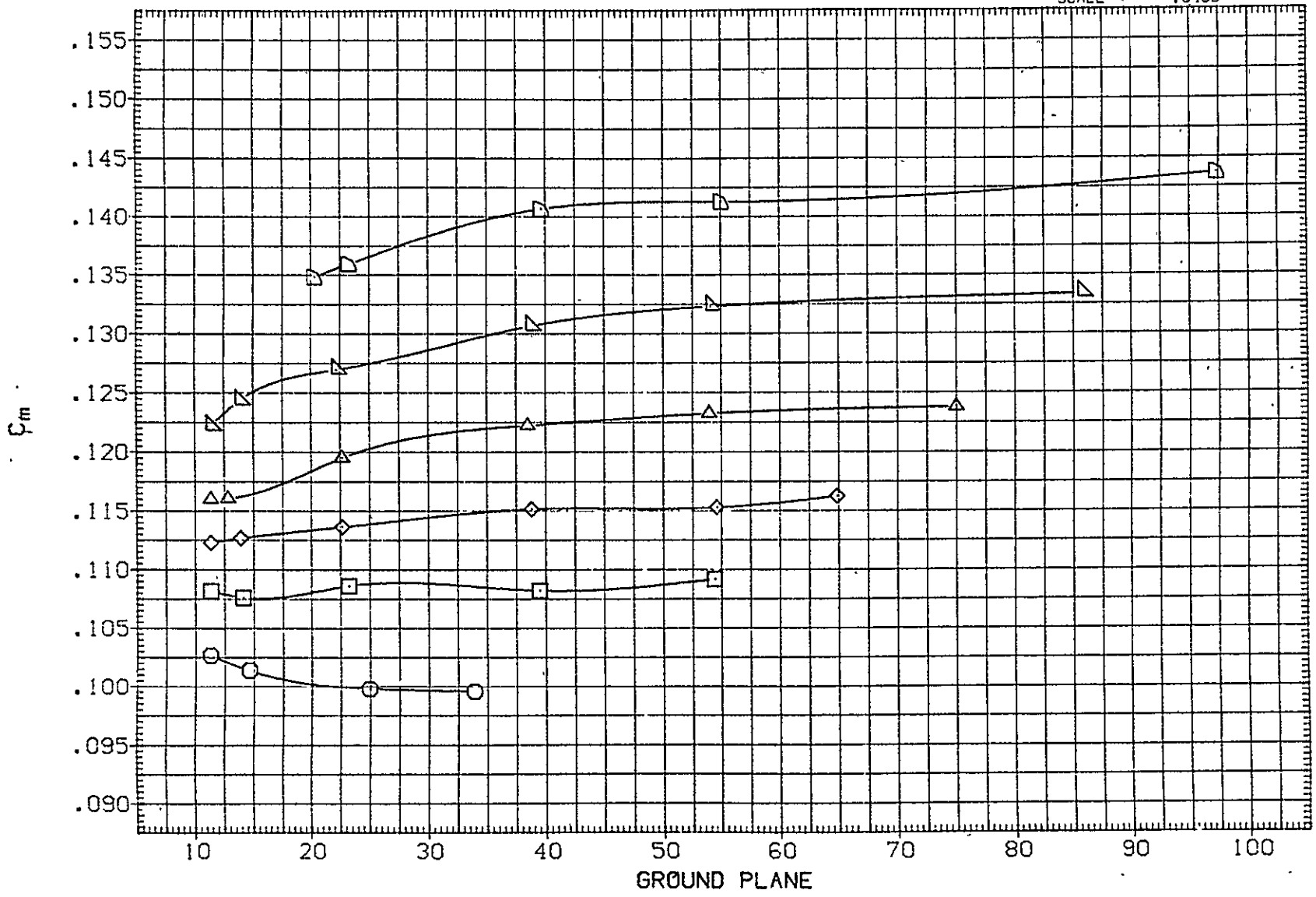

FIG 284 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000
(TJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000
(TJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000
(TJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000
(TJF337)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000
(TJF338)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

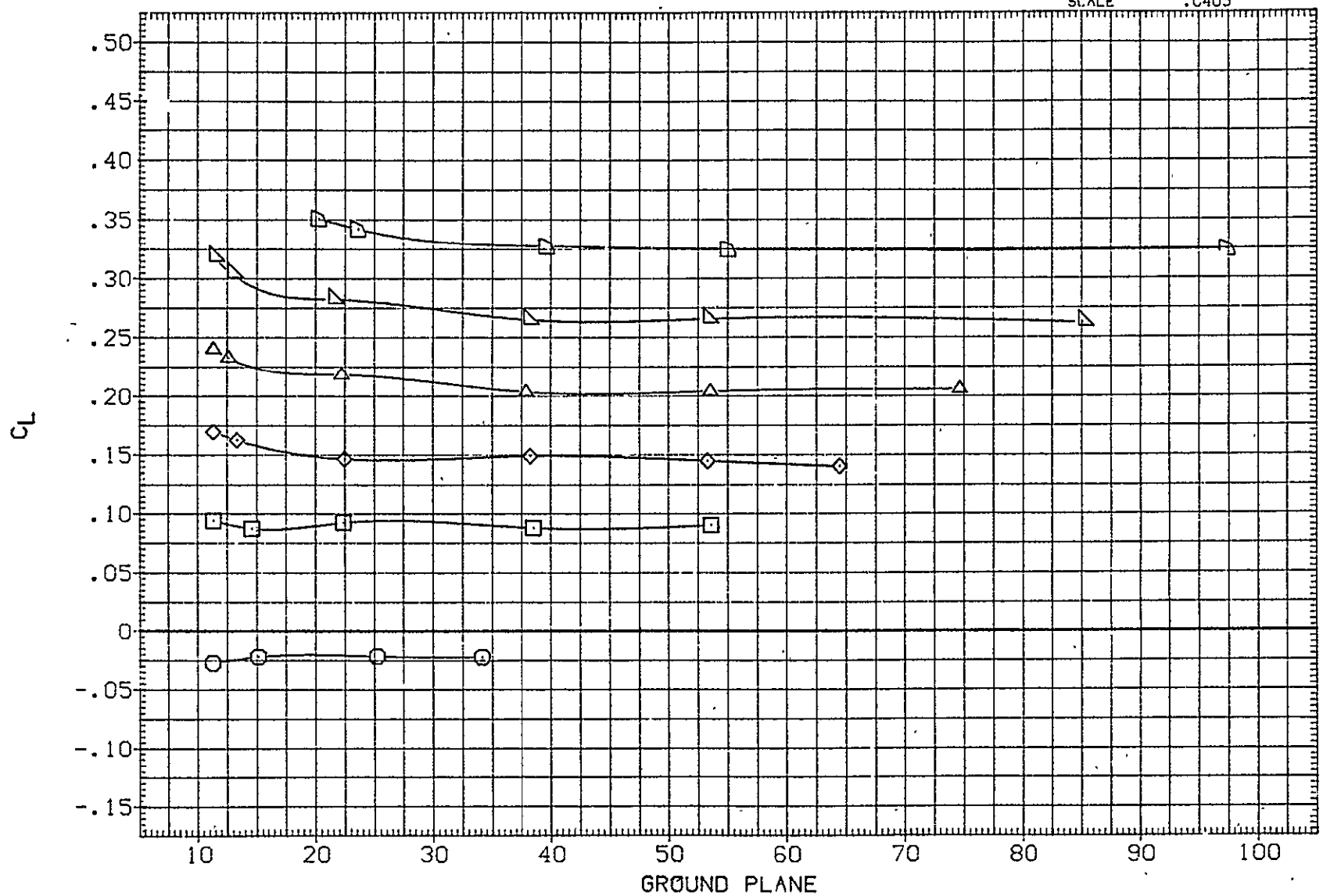

FIG 285 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF333)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000
(TJF334)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000
(TJF335)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000
(TJF336)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000
(TJF337)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000
(TJF338)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

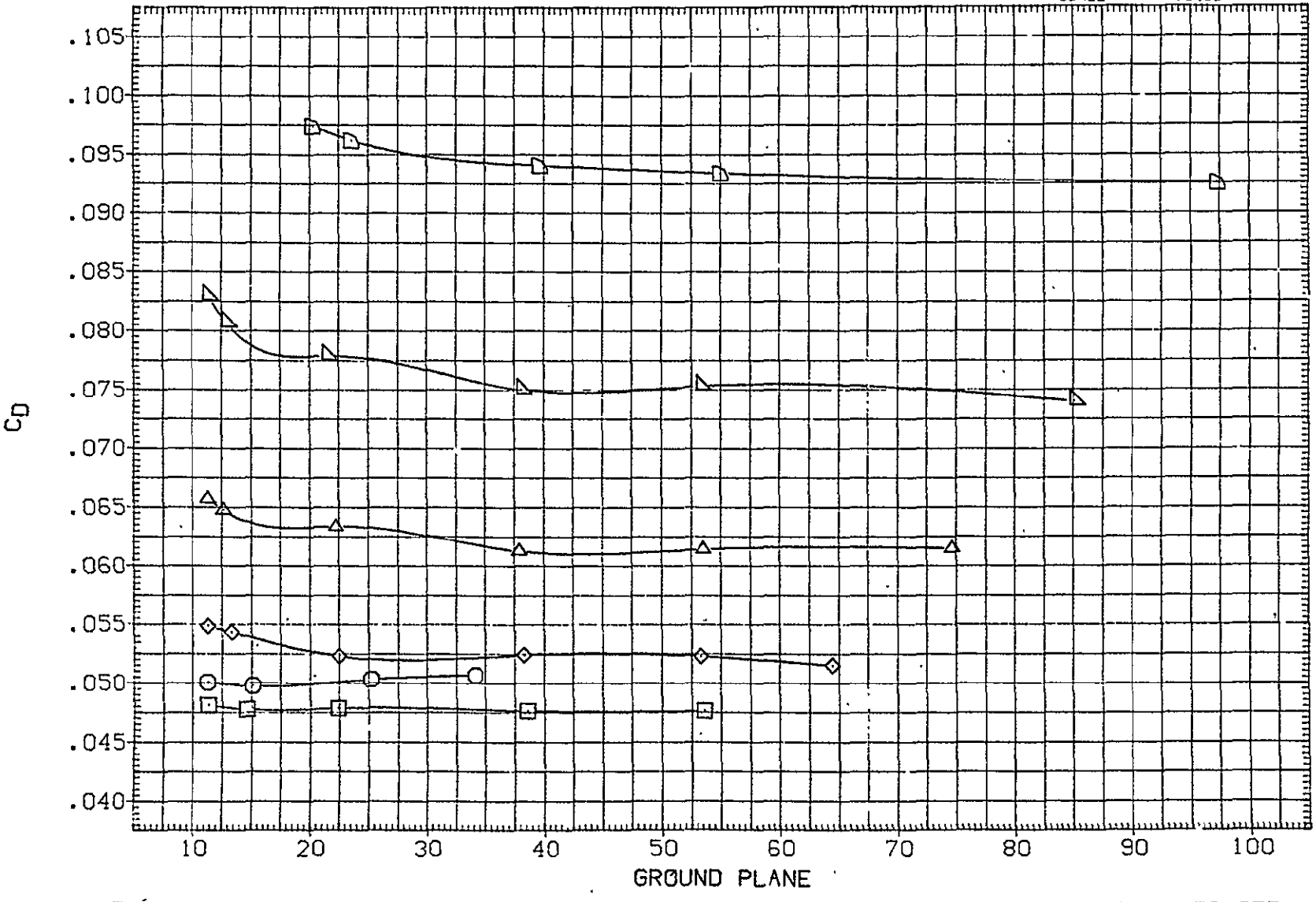

FIG 285 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF333)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.240	6.000	.000	-5.000
(TJF334)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.003	6.000	.000	-5.000
(TJF335)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.127	6.000	.000	-5.000
(TJF336)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.113	6.000	.000	-5.000
(TJF337)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.121	6.000	.000	-5.000
(TJF338)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

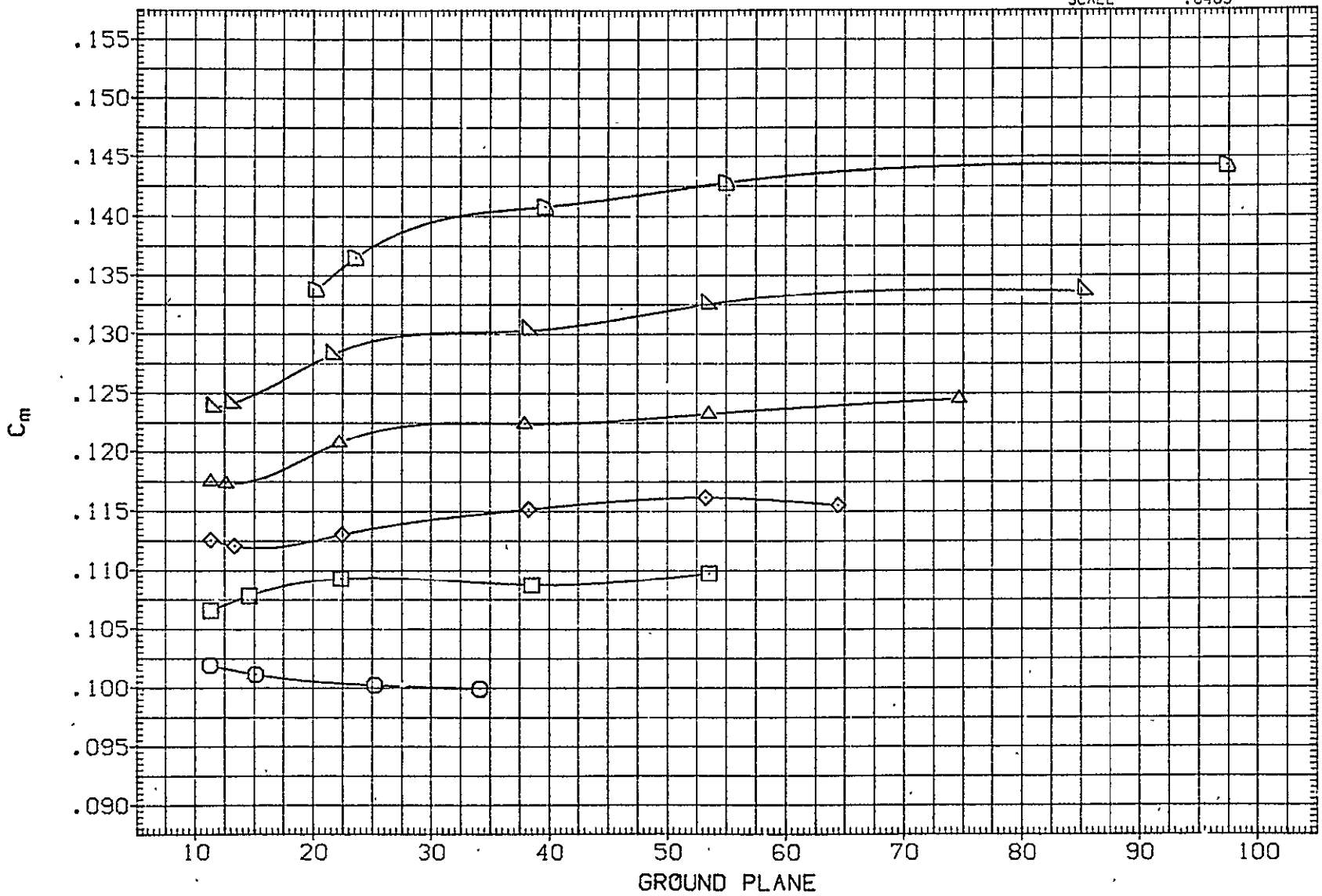

FIG 285 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF339)	□	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000
(TJF340)	◇	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	4.180	6.000	.000	-5.000
(TJF341)	△	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000
(TJF342)	◁	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	8.123	6.000	.000	-5.000
(TJF343)	▷	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	10.116	6.000	.000	-5.000
(TJF344)	○	(CA-8) K3.1TS7HI5.6.1F10TS402G5.3.5	12.139	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

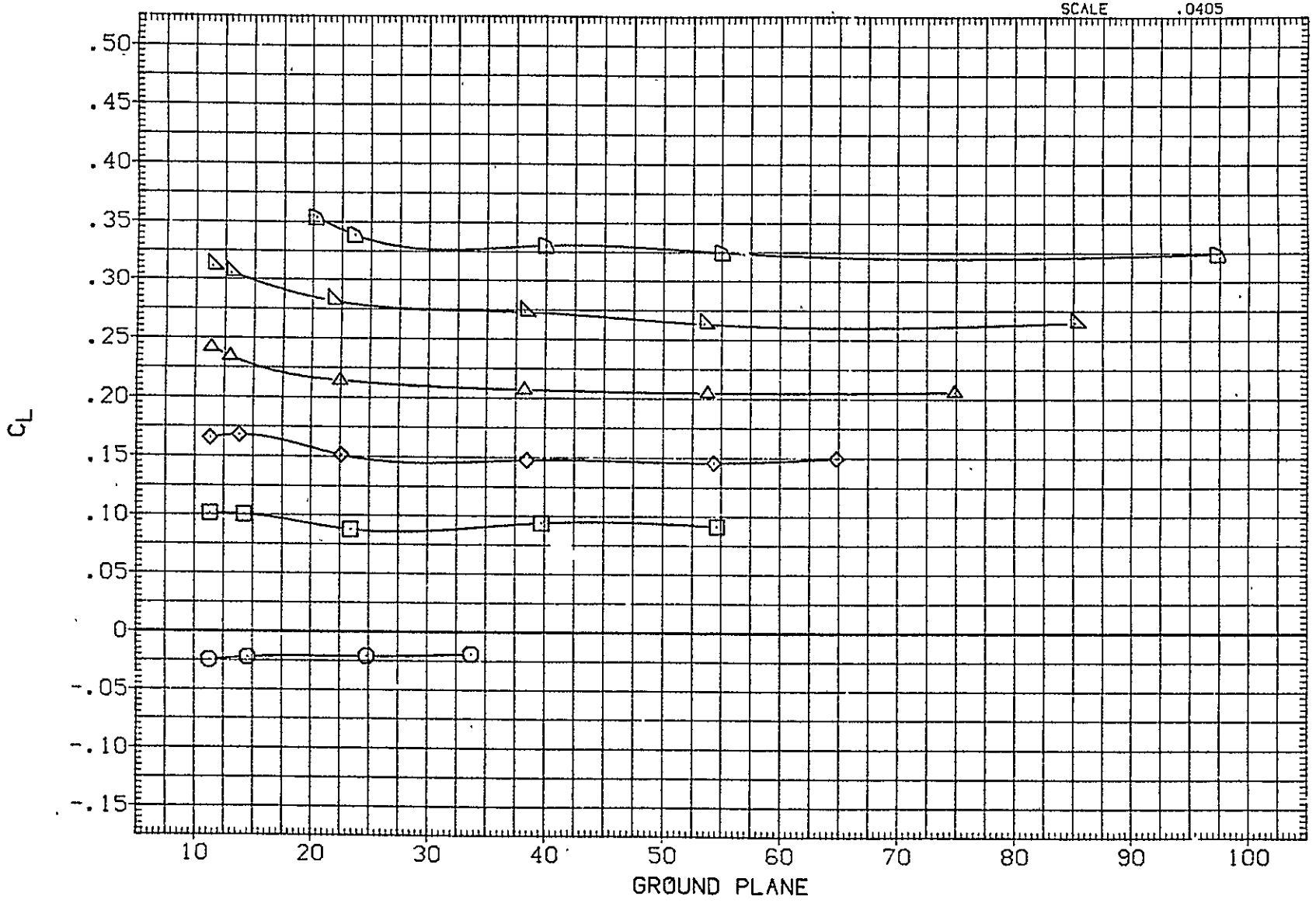

FIG 286 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF339)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000
(TJF340)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.180	6.000	.000	-5.000
(TJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000
(TJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.123	6.000	.000	-5.000
(TJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.116	6.000	.000	-5.000
(TJF344)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.139	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

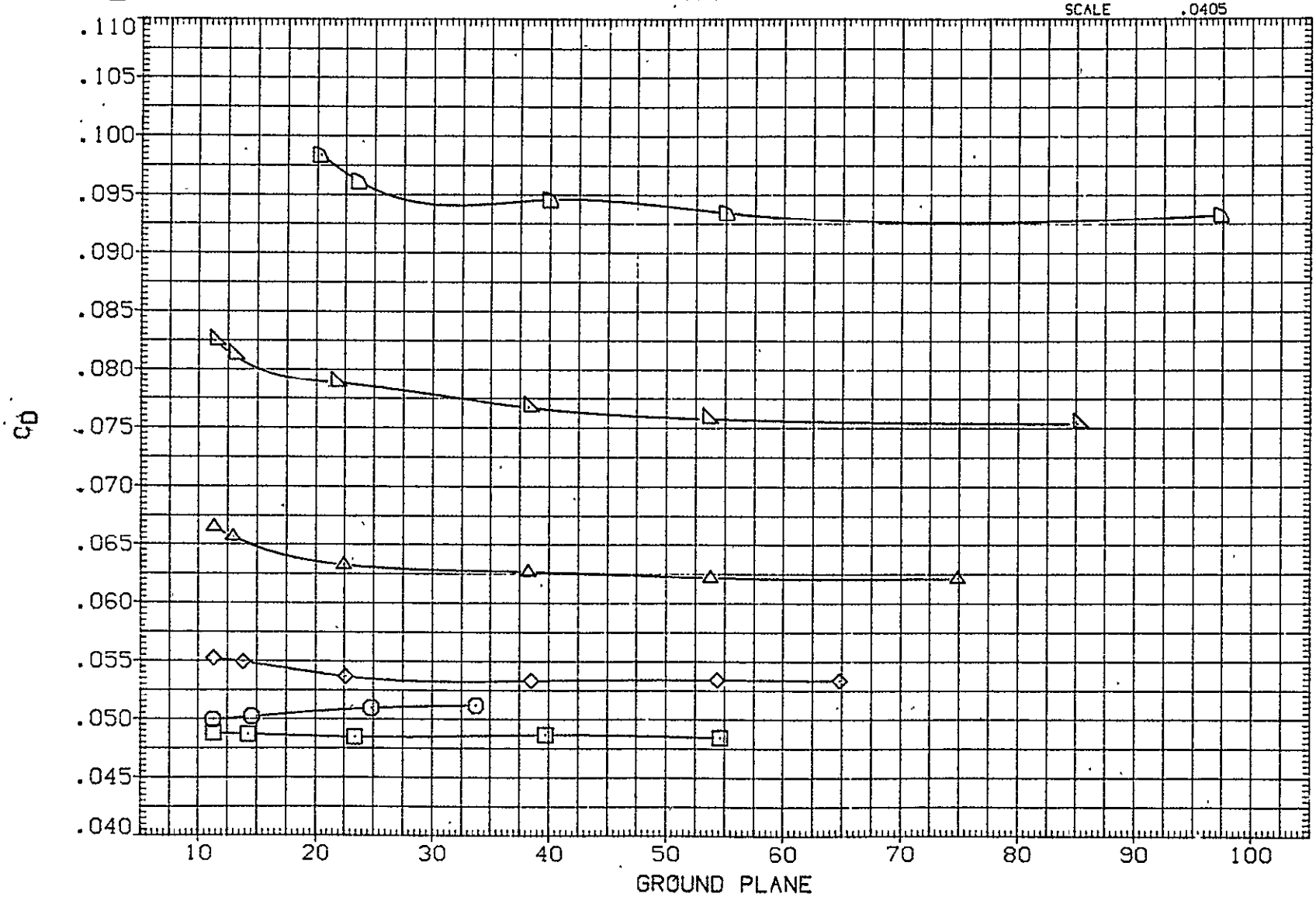

FIG 286 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF339)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF340)	⊠	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF341)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF342)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF343)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF344)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.132	6.000	.000	-5.000
4.180	6.000	.000	-5.000
6.149	6.000	.000	-5.000
8.123	6.000	.000	-5.000
10.116	6.000	.000	-5.000
12.139	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

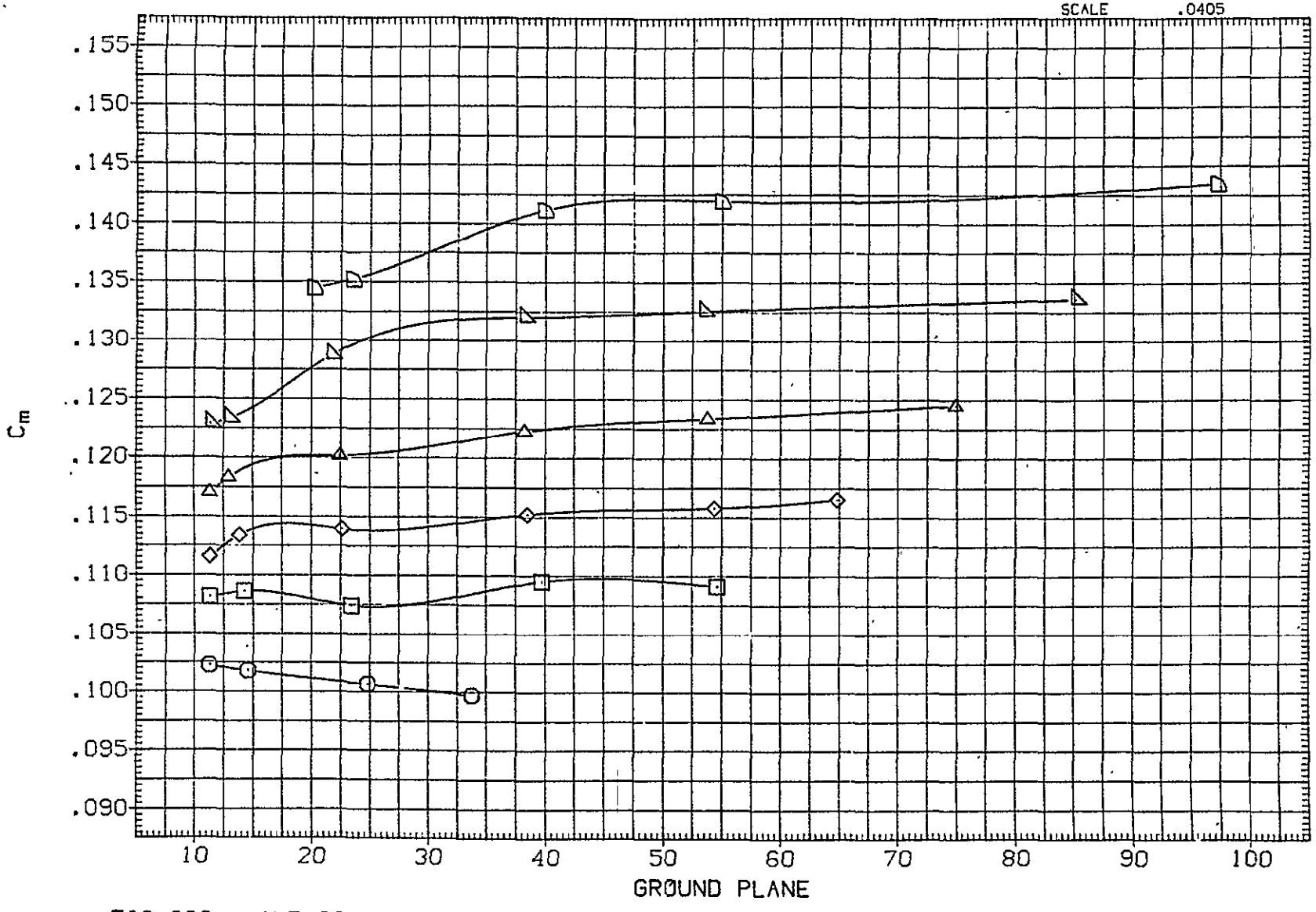

FIG 286 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITH SUCTION PUMP

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.187	6.000	.000	-5.000
(TJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.094	6.000	.000	-5.000
(TJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.154	6.000	.000	-5.000
(TJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.131	6.000	.000	-5.000
(TJF378)	◺	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.146	6.000	.000	-5.000
(TJF379)	▱	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.167	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

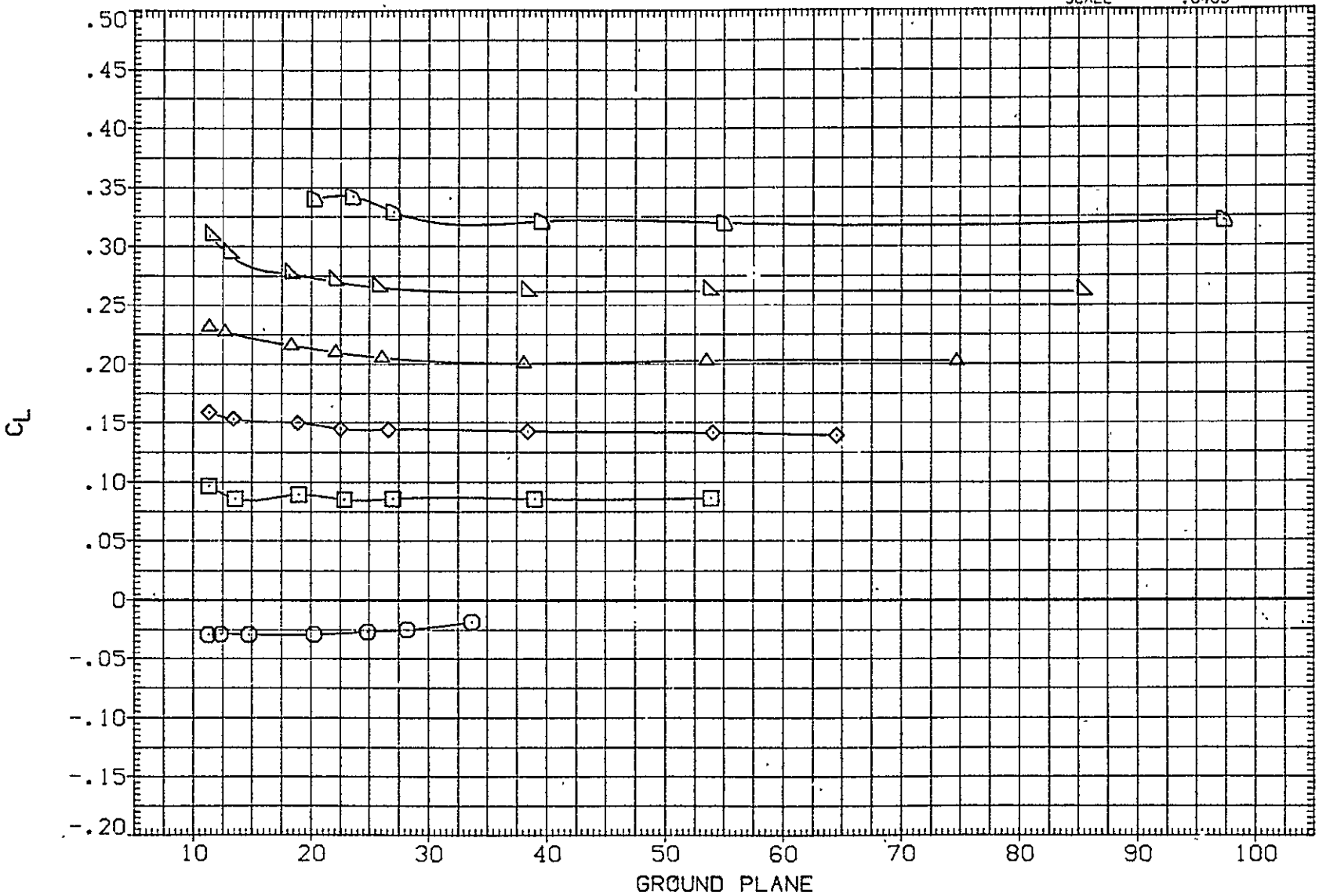

FIG 287 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF374)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.187	6.000	.000	-5.000
(TJF375)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	4.094	6.000	.000	-5.000
(TJF376)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.154	6.000	.000	-5.000
(TJF377)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.131	6.000	.000	-5.000
(TJF378)	⊲	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.146	6.000	.000	-5.000
(TJF379)	⊲	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.167	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

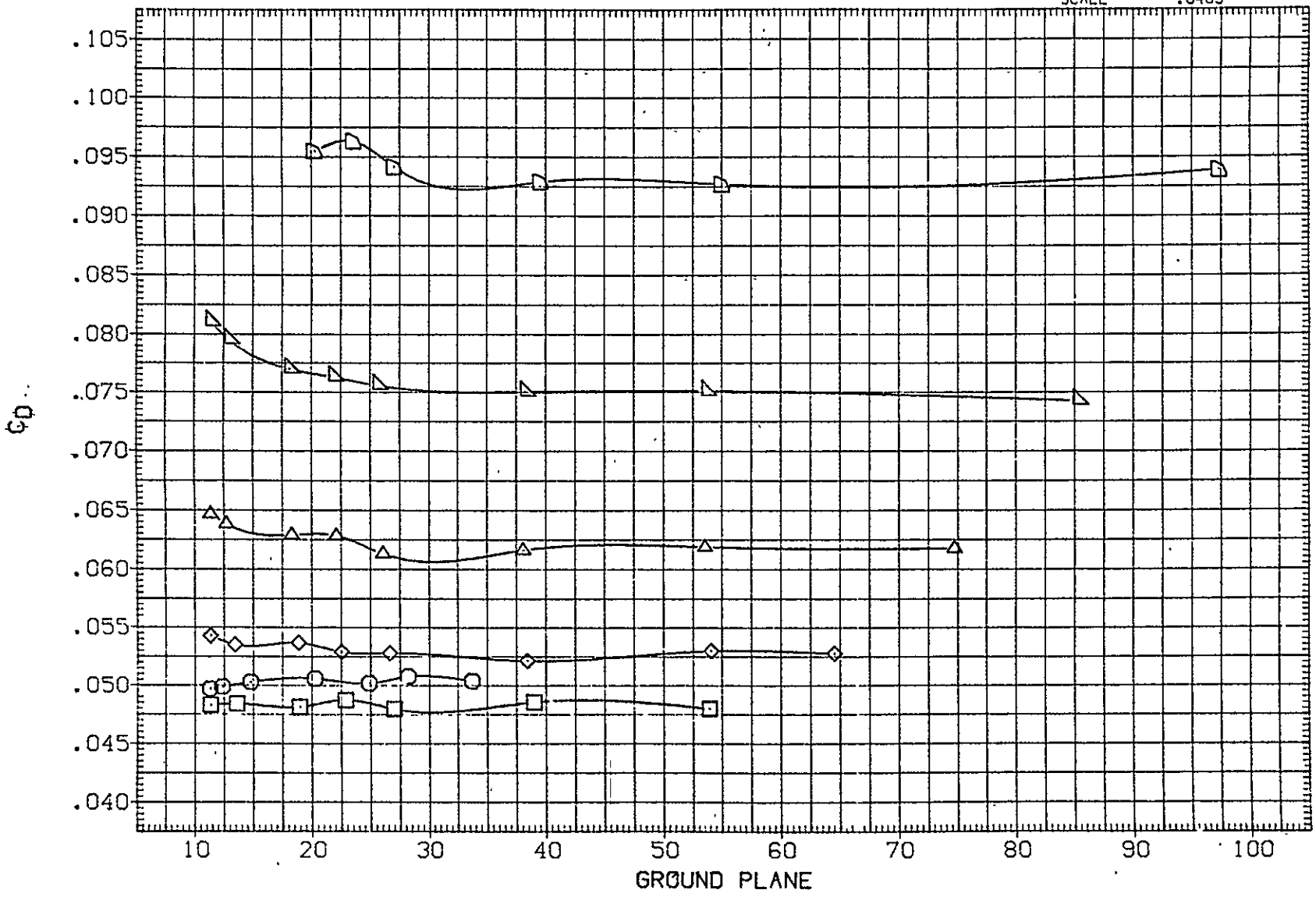

FIG 287 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF374)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.187	6.000	.000	-5.000
(TJF375)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.094	6.000	.000	-5.000
(TJF376)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.154	6.000	.000	-5.000
(TJF377)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.131	6.000	.000	-5.000
(TJF378)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.146	6.000	.000	-5.000
(TJF379)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.167	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

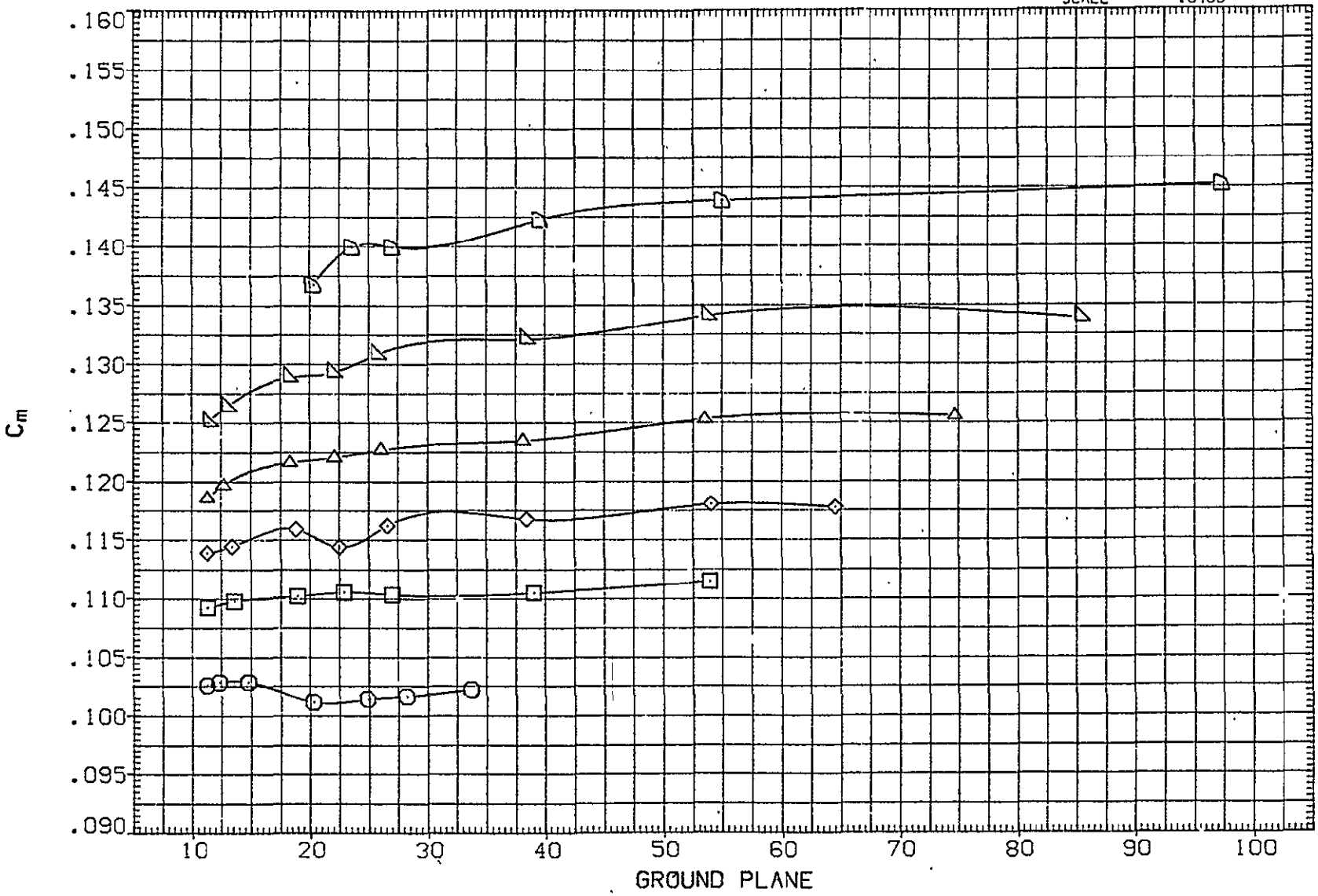

FIG 287 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF380)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF381)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF382)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF384)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF385)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BOFLAP	ELEVON
.132	6.000	.000	-5.000
4.129	6.000	.000	-5.000
6.149	6.000	.000	-5.000
8.171	6.000	.000	-5.000
10.148	6.000	.000	-5.000
12.178	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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SCALE	.0405	

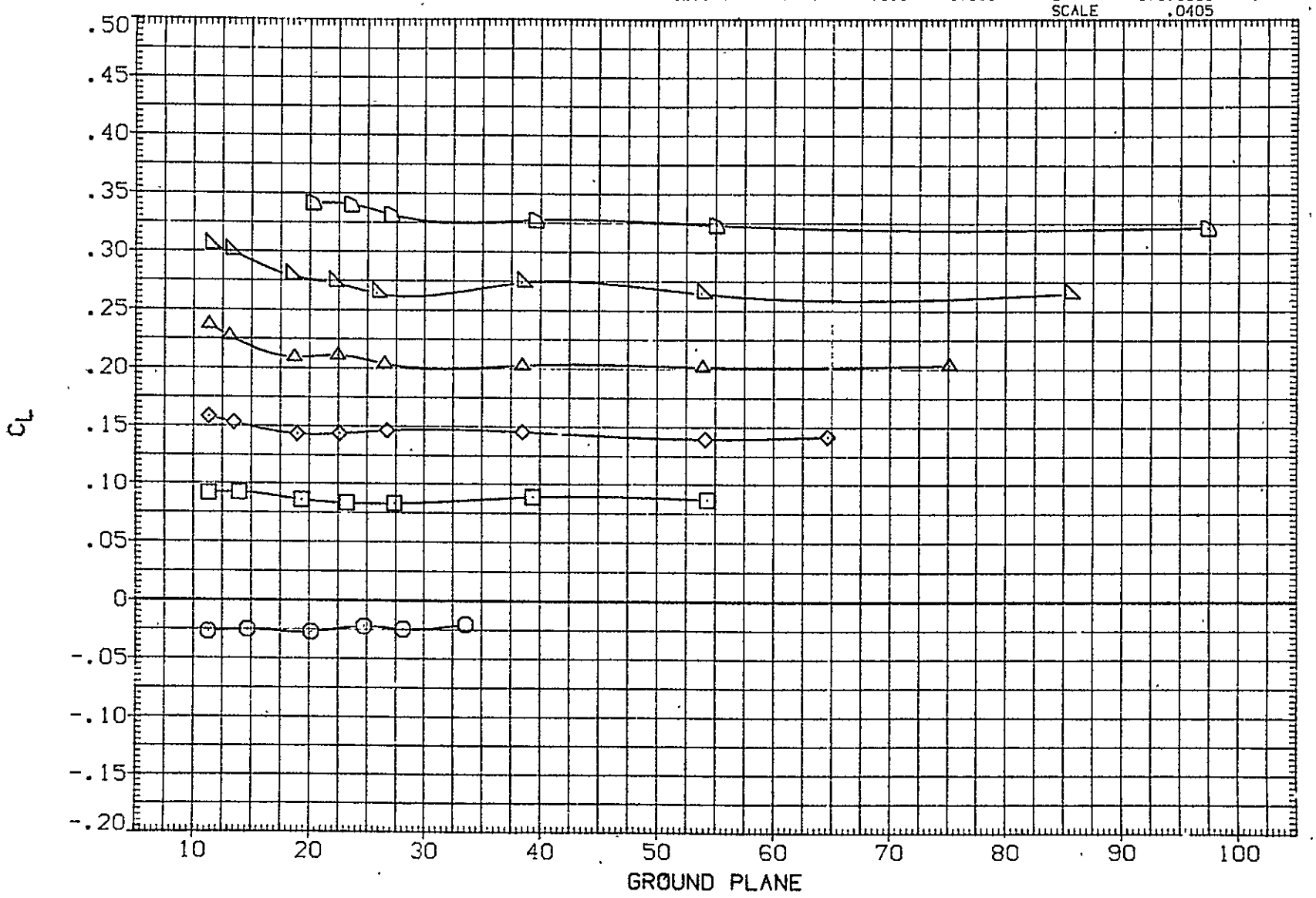

FIG 288 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF380)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000
(TJF381)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.129	6.000	.000	-5.000
(TJF382)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000
(TJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.171	6.000	.000	-5.000
(TJF384)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.148	6.000	.000	-5.000
(TJF385)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.178	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

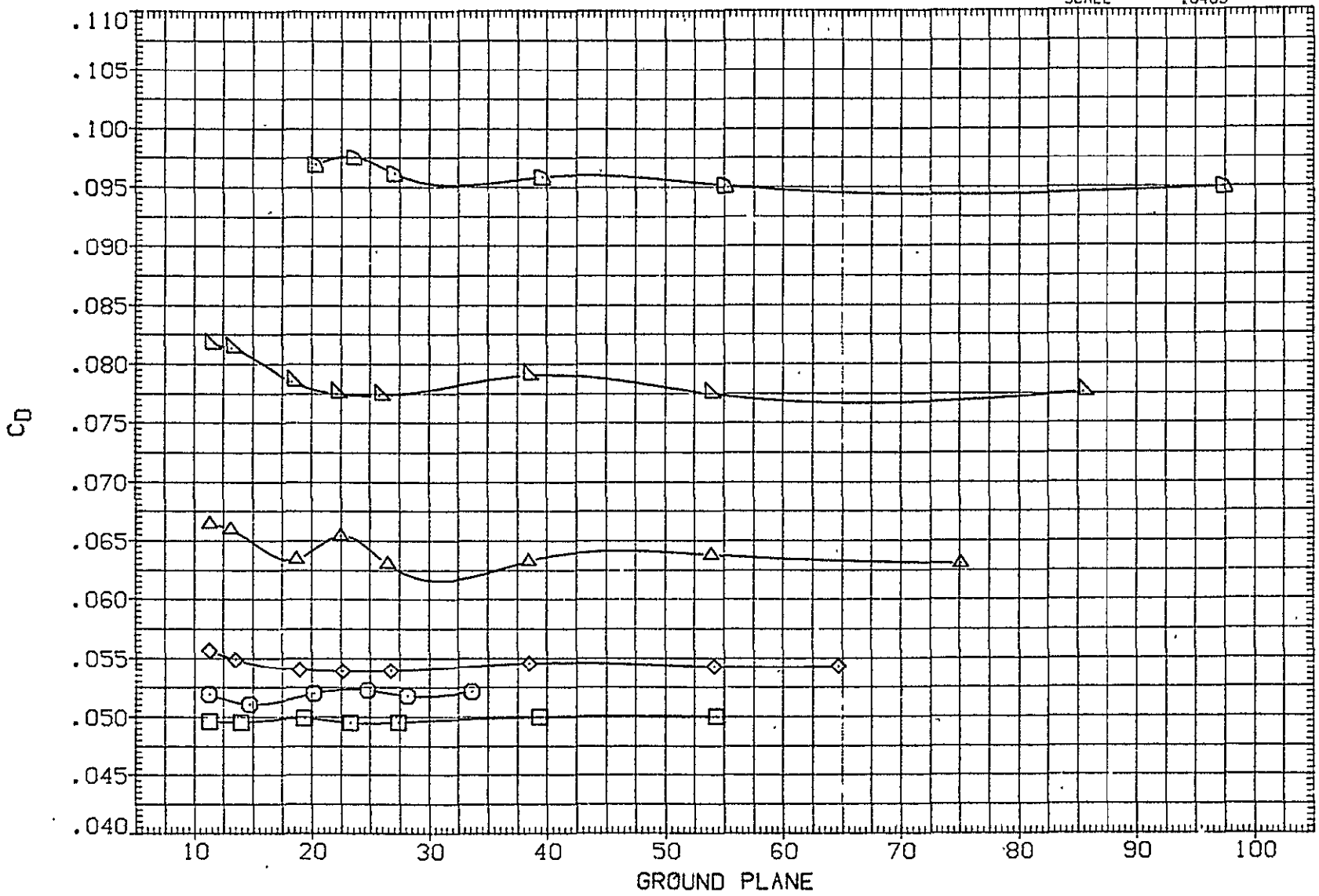

FIG 288 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF380)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.132	6.000	.000	-5.000
(TJF381)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.129	6.000	.000	-5.000
(TJF382)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.149	6.000	.000	-5.000
(TJF383)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.171	6.000	.000	-5.000
(TJF384)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.148	6.000	.000	-5.000
(TJF385)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.178	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

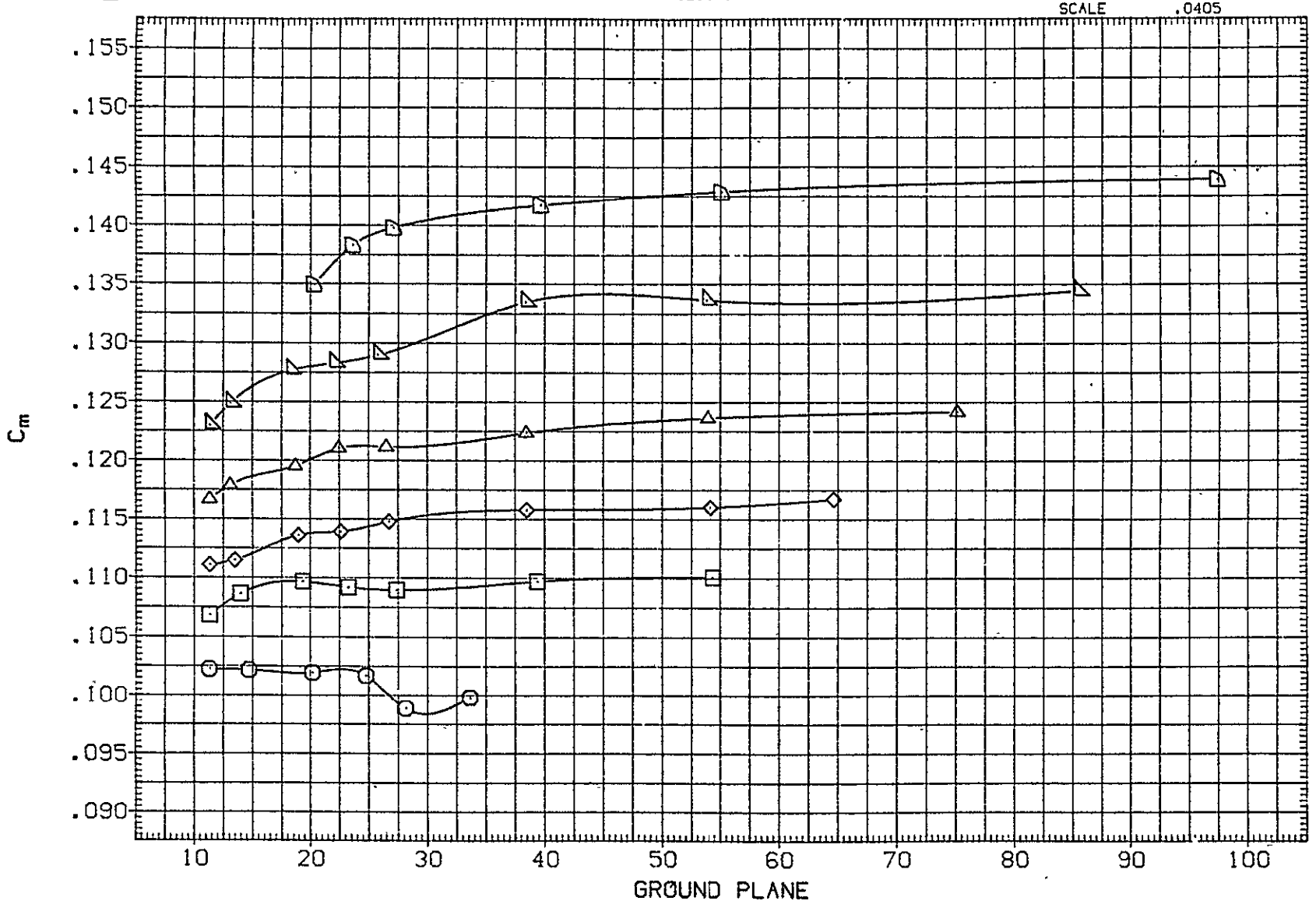

FIG 288 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS, WITHOUT SUCTION PUMP

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	.223	6.000	.000	-5.000
(TJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	3.987	6.000	.000	-5.000
(TJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	6.129	6.000	.000	-5.000
(TJF360)	△	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	8.220	6.000	.000	-5.000
(TJF361)	▽	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	10.205	6.000	.000	-5.000
(TJF362)	▷	(CA-8) K3.1TS7H15.6.1F10TS40ZG5.3.5	12.137	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
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SCALE	.0405	

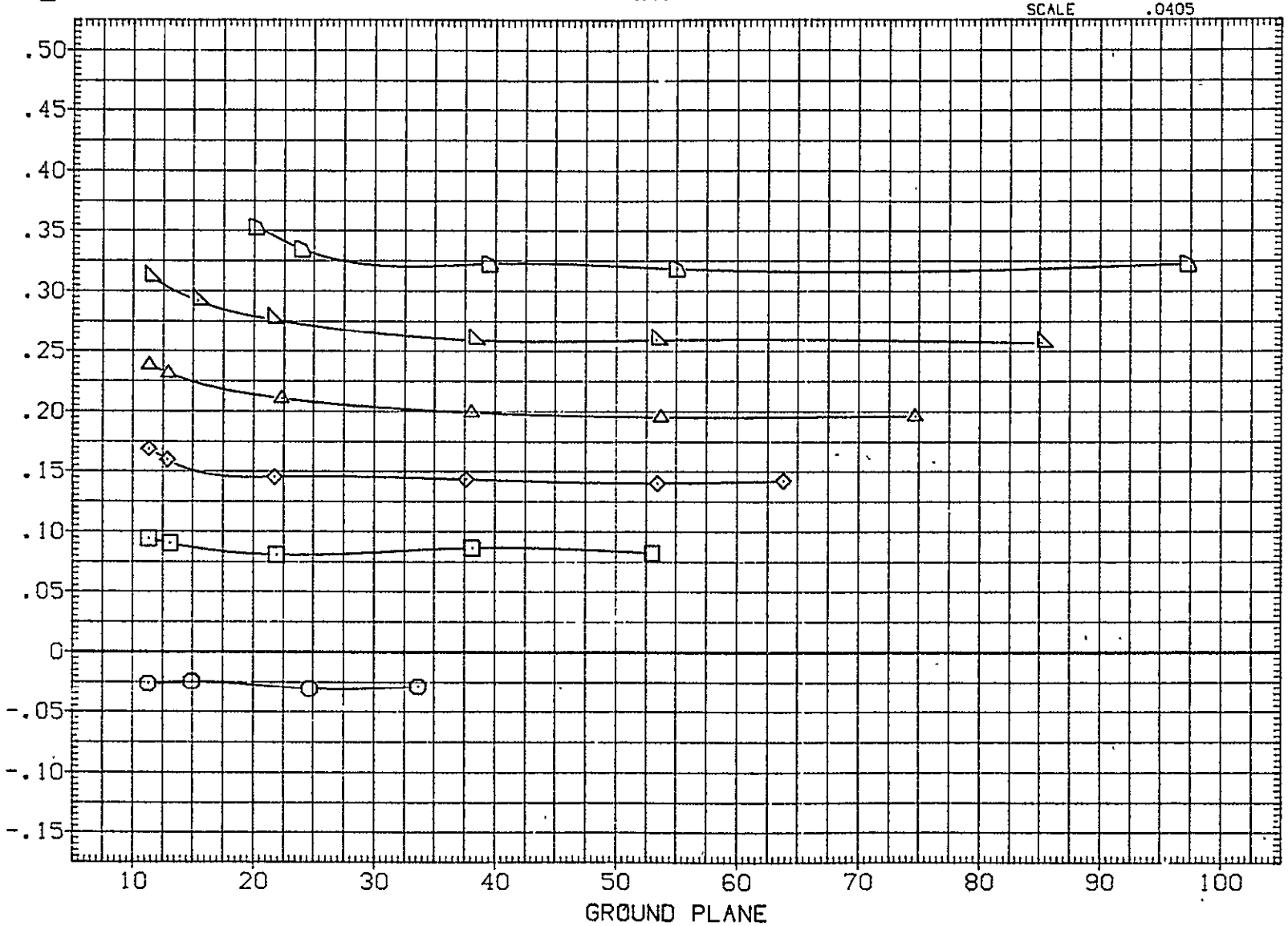

FIG 289 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF357)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF358)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF359)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF360)	⊲	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF361)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF362)	D	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.223	6.000	.000	-5.000
3.987	6.000	.000	-5.000
6.129	6.000	.000	-5.000
8.220	6.000	.000	-5.000
10.205	6.000	.000	-5.000
12.137	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

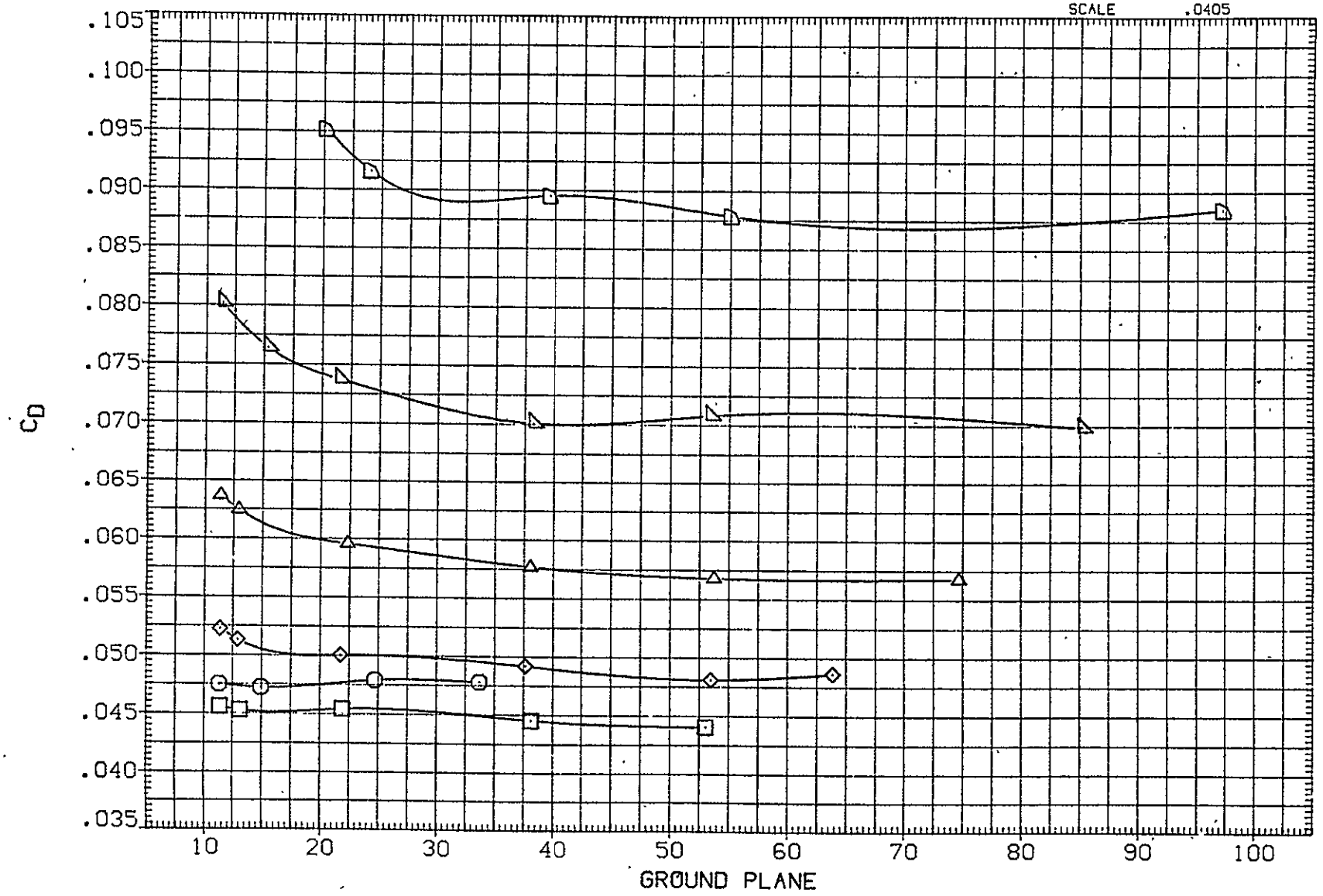

FIG 289 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF357)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.223	6.000	.000	-5.000
(TJF358)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.987	6.000	.000	-5.000
(TJF359)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.129	6.000	.000	-5.000
(TJF360)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.220	6.000	.000	-5.000
(TJF361)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.205	6.000	.000	-5.000
(TJF362)		(CA-8) K3.1TS7H15.6.1F10TS407G5.3.5	12.137	6.000	.000	-5.000

REFERENCE INFORMATION		
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

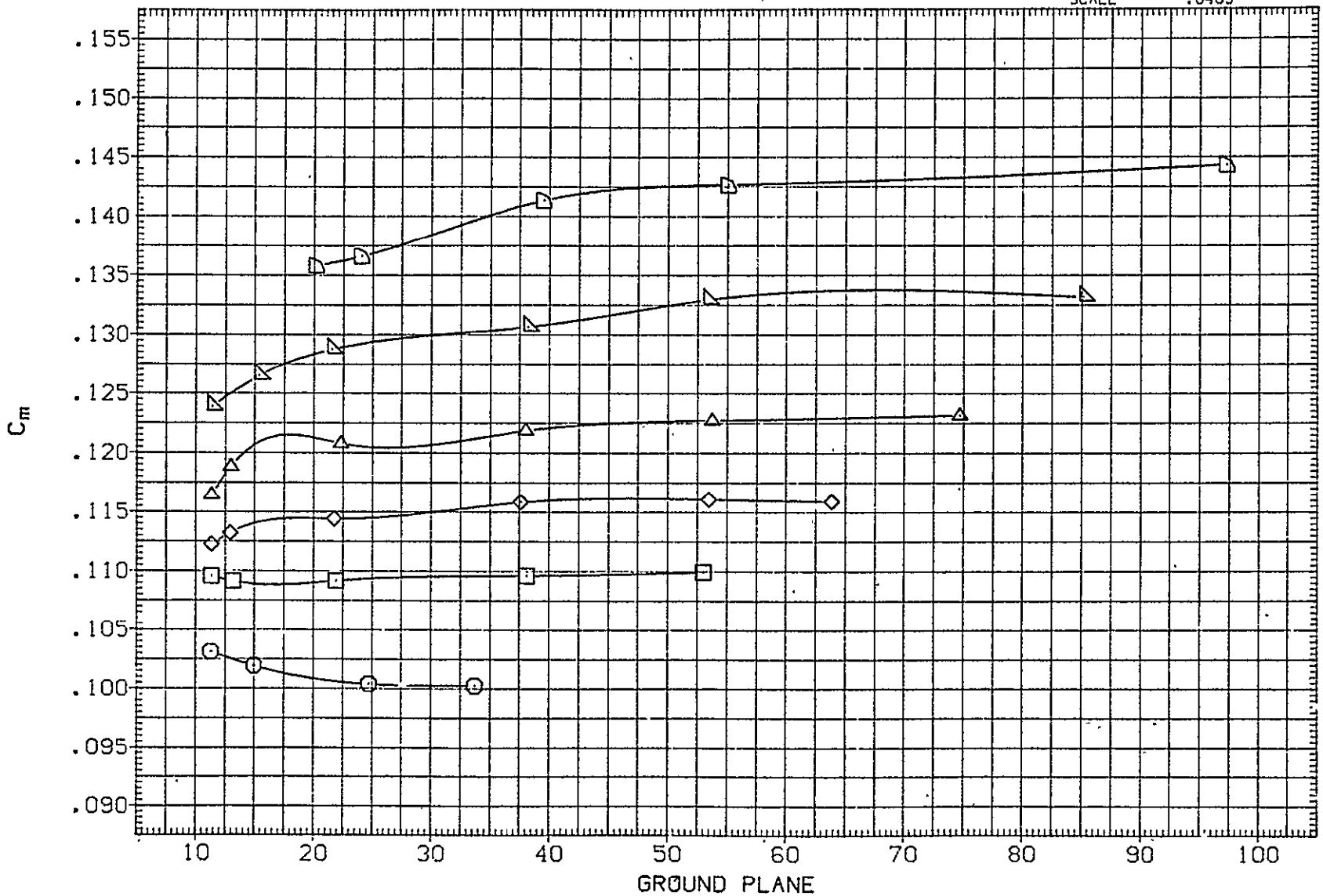

FIG 289 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF229)		(CA-8) K3.1TS7	F30TS40265.3.5	.216	6.000	.000	-5.000
(TJF230)		(CA-8) K3.1TS7	F30TS40265.3.5	4.197	6.000	.000	-5.000
(TJF231)		(CA-8) K3.1TS7	F30TS40265.3.5	6.094	6.000	.000	-5.000
(TJF232)		(CA-8) K3.1TS7	F30TS40265.3.5	8.072	6.000	.000	-5.000
(TJF233)		(CA-8) K3.1TS7	F30TS40265.3.5	10.131	6.000	.000	-5.000
(TJF234)		(CA-8) K3.1TS7	F30TS40265.3.5	12.131	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

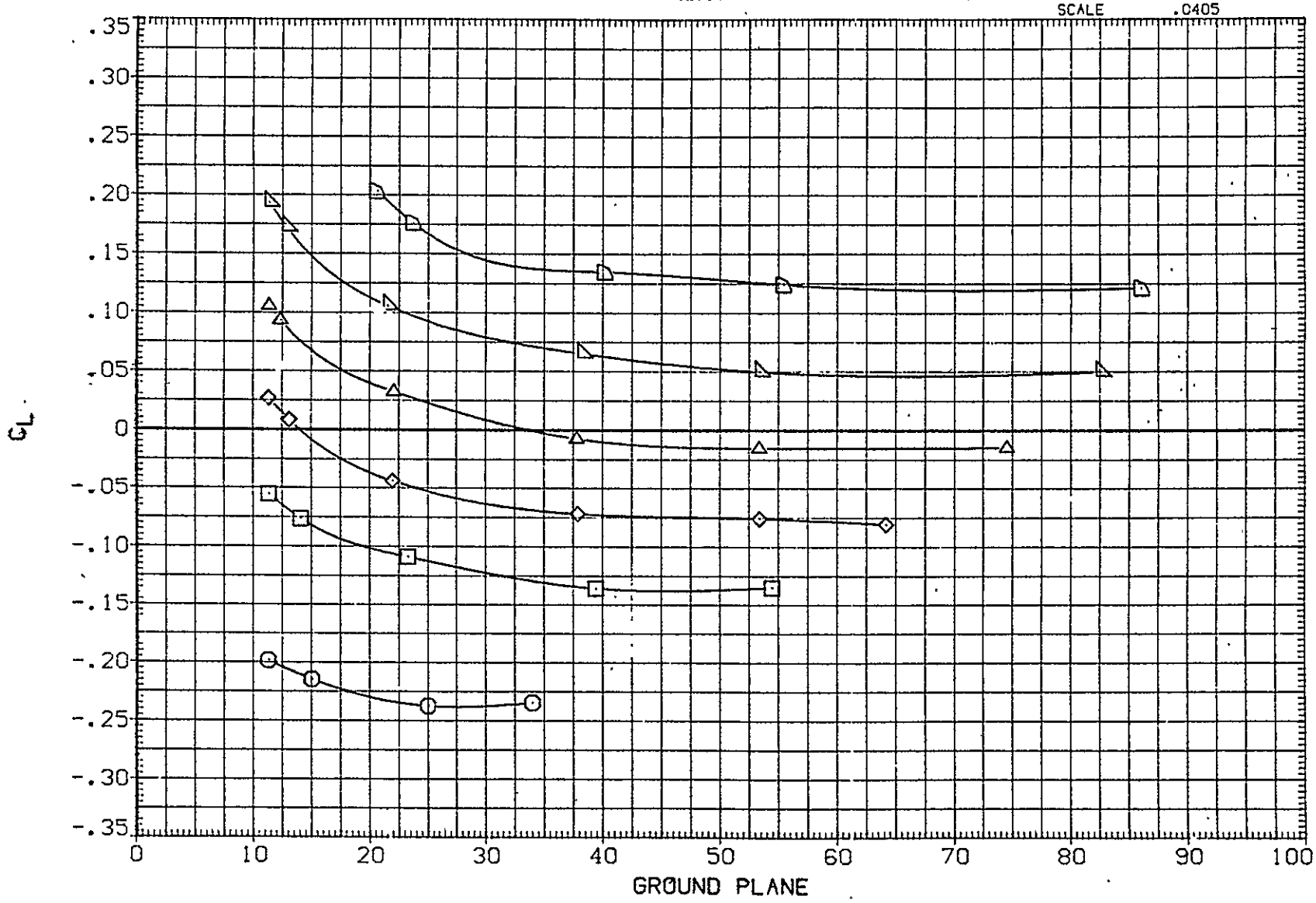

FIG 290 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF229)	○	(CA-8) K3.1TS7	F30TS402G5.3.5	.216	6.000	.000	-5.000
(TJF230)	□	(CA-8) K3.1TS7	F30TS402G5.3.5	4.197	6.000	.000	-5.000
(TJF231)	◇	(CA-8) K3.1TS7	F30TS402G5.3.5	6.094	6.000	.000	-5.000
(TJF232)	△	(CA-8) K3.1TS7	F30TS402G5.3.5	8.072	6.000	.000	-5.000
(TJF233)	▱	(CA-8) K3.1TS7	F30TS402G5.3.5	10.131	6.000	.000	-5.000
(TJF234)	▱	(CA-8) K3.1TS7	F30TS402G5.3.5	12.131	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
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BREF	936.6800	IN.
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YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

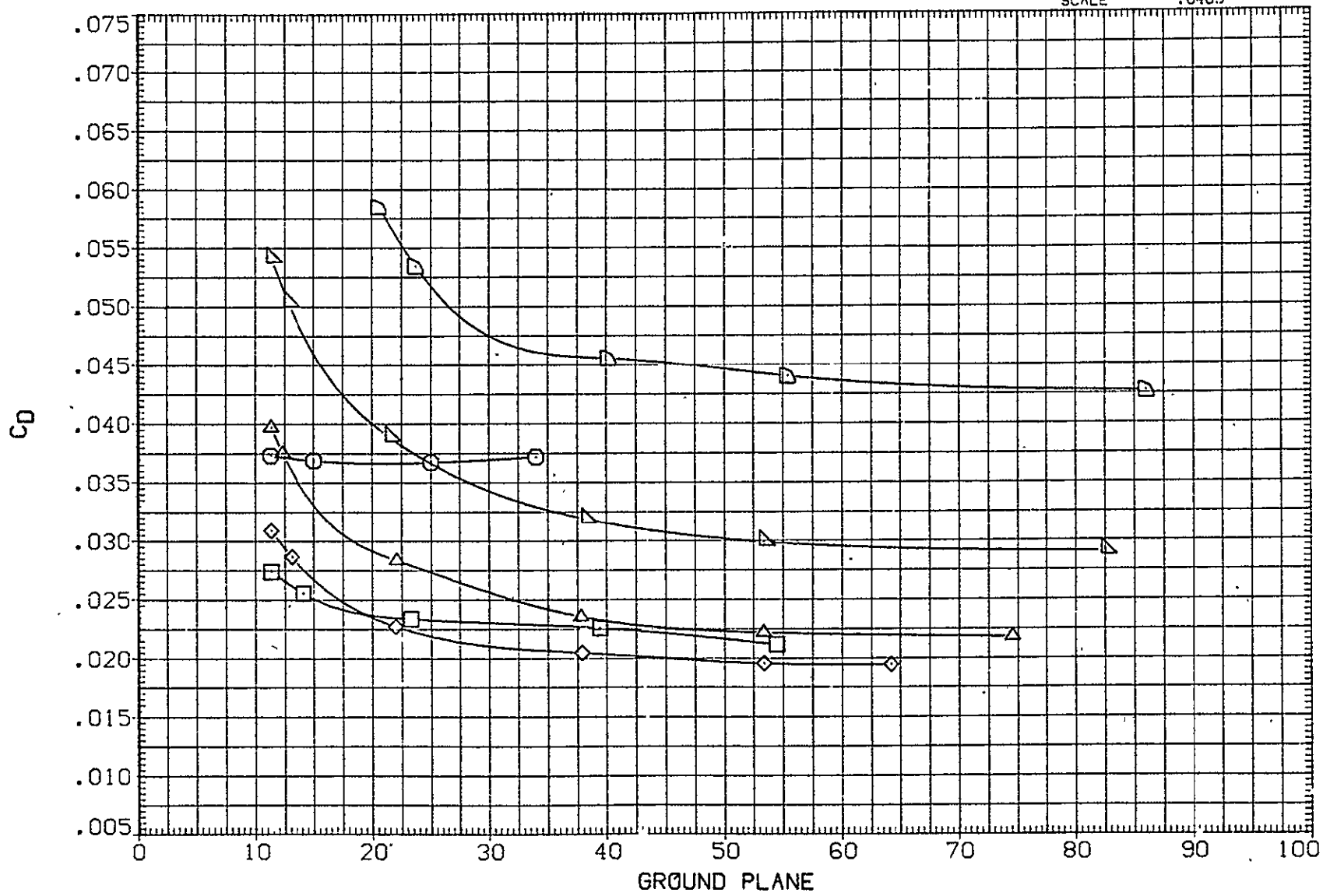

FIG 290 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF229)	○	(CA-8) K3.1TS7	F30TS402G5.3.5	.216	6.000	.000	-5.000
(TJF230)	□	(CA-8) K3.1TS7	F30TS402G5.3.5	4.197	6.000	.000	-5.000
(TJF231)	◇	(CA-8) K3.1TS7	F30TS402G5.3.5	6.094	6.000	.000	-5.000
(TJF232)	△	(CA-8) K3.1TS7	F30TS402G5.3.5	8.072	6.000	.000	-5.000
(TJF233)	◁	(CA-8) K3.1TS7	F30TS402G5.3.5	10.131	6.000	.000	-5.000
(TJF234)	▷	(CA-8) K3.1TS7	F30TS402G5.3.5	12.131	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

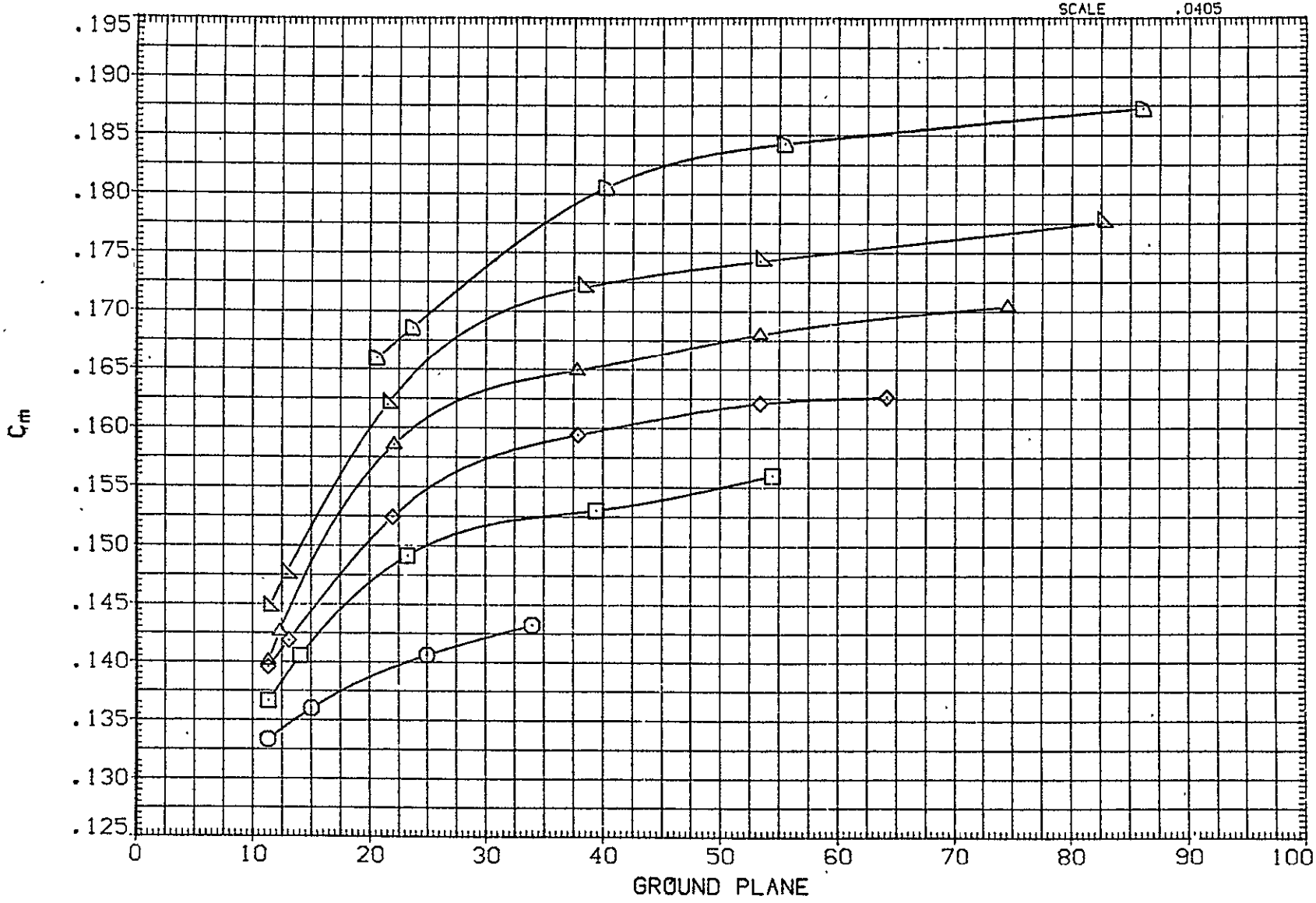

FIG 290 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	6.000	.000	-5.000
(TJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.117	6.000	.000	-5.000
(TJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.147	6.000	.000	-5.000
(TJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.164	6.000	.000	-5.000
(TJF227)	◺	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.089	6.000	.000	-5.000
(TJF228)	▱	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.121	6.000	.000	-5.000

REFERENCE INFORMATION		
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BREF	936.6800	IN.
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YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

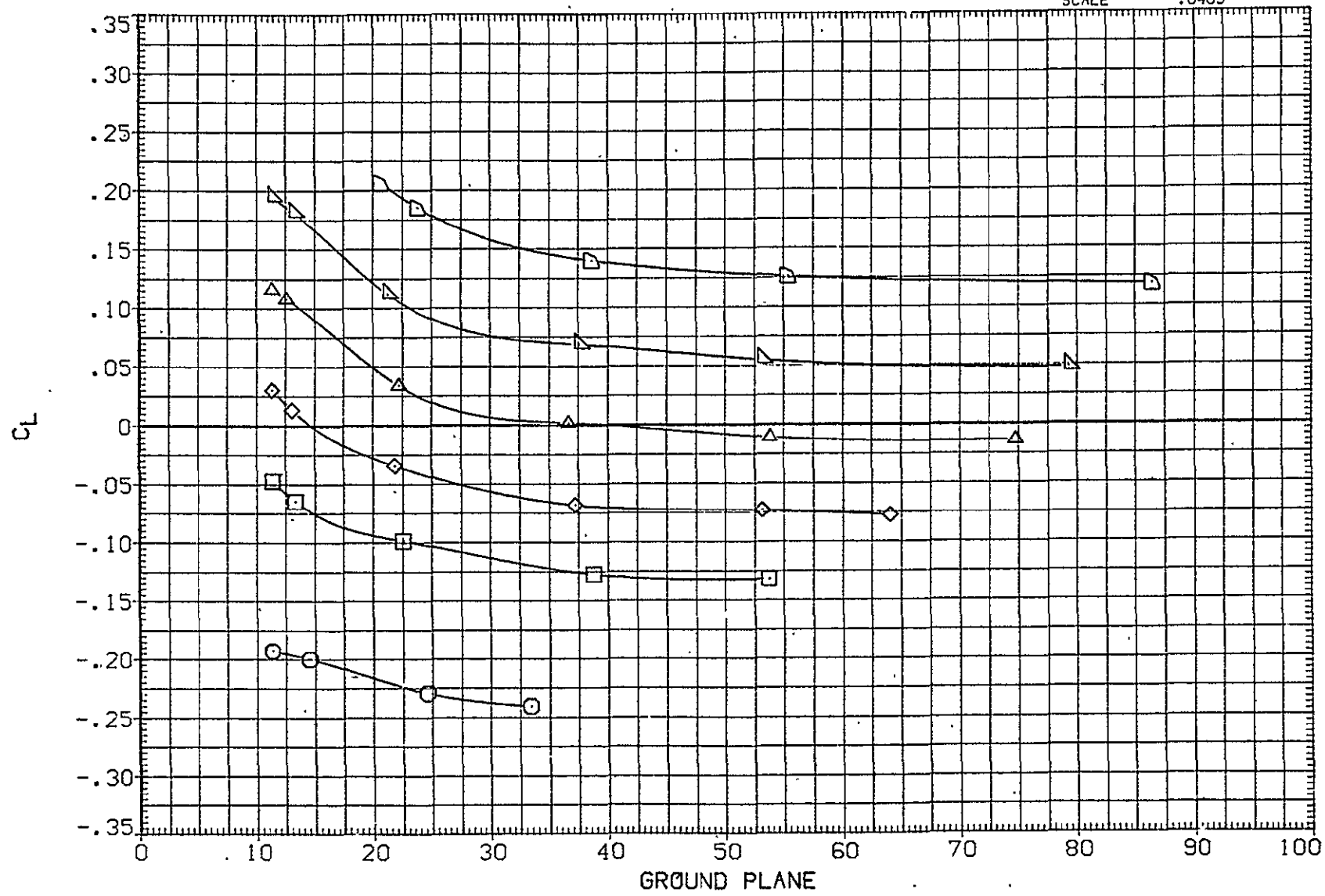

FIG 291 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF223)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF224)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF225)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF226)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF227)	◁	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF228)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.204	6.000	.000	-5.000
4.117	6.000	.000	-5.000
6.147	6.000	.000	-5.000
8.164	6.000	.000	-5.000
10.089	6.000	.000	-5.000
12.121	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

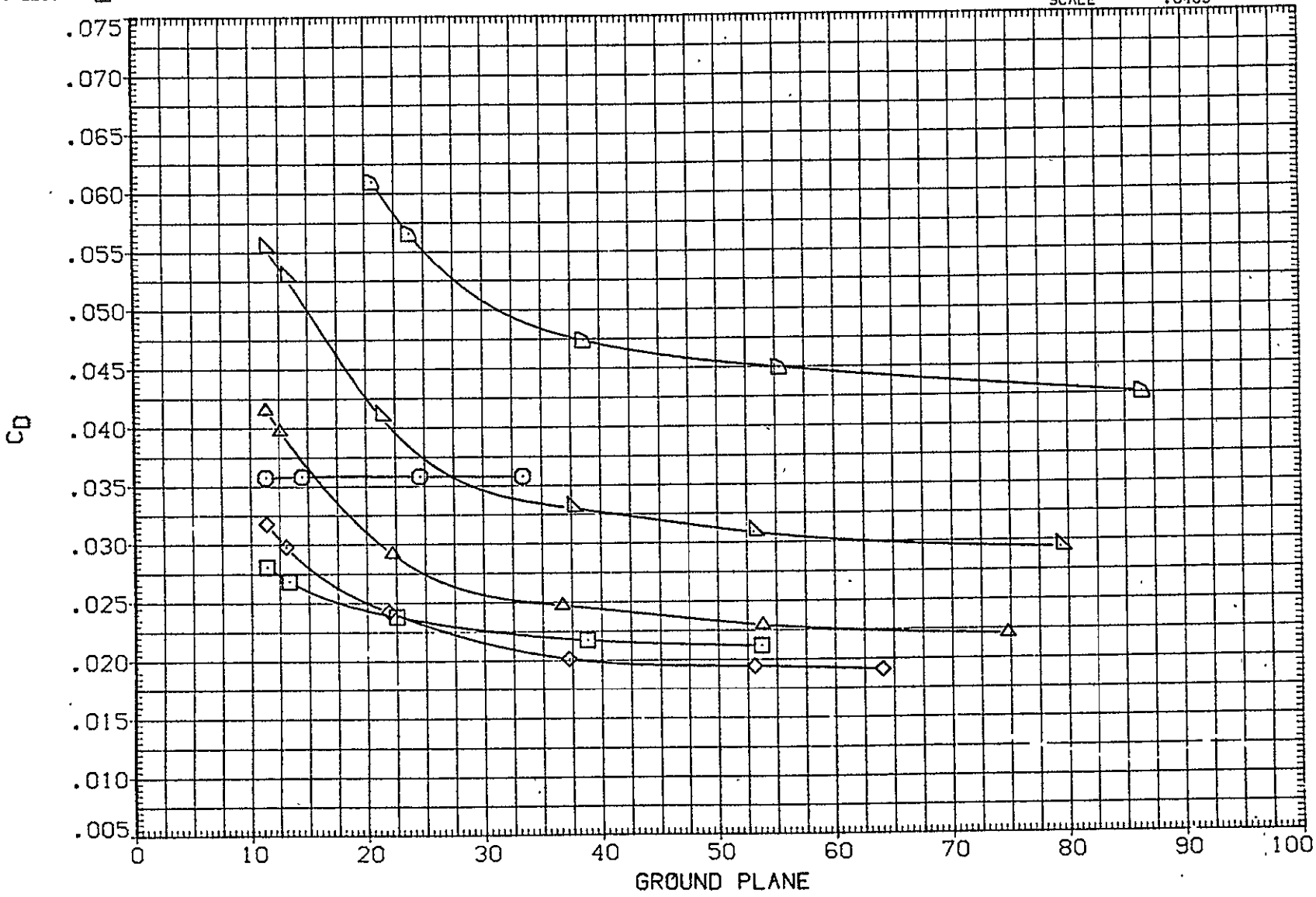

FIG 291 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

2-5

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF223)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF224)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF225)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF226)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF227)	◺	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF228)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.204	6.000	.000	-5.000
4.117	6.000	.000	-5.000
6.147	6.000	.000	-5.000
8.164	6.000	.000	-5.000
10.089	6.000	.000	-5.000
12.121	6.000	.000	-5.000

REFERENCE INFORMATION		
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LREF	474.8100	IN.
BREF	936.6800	IN.
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

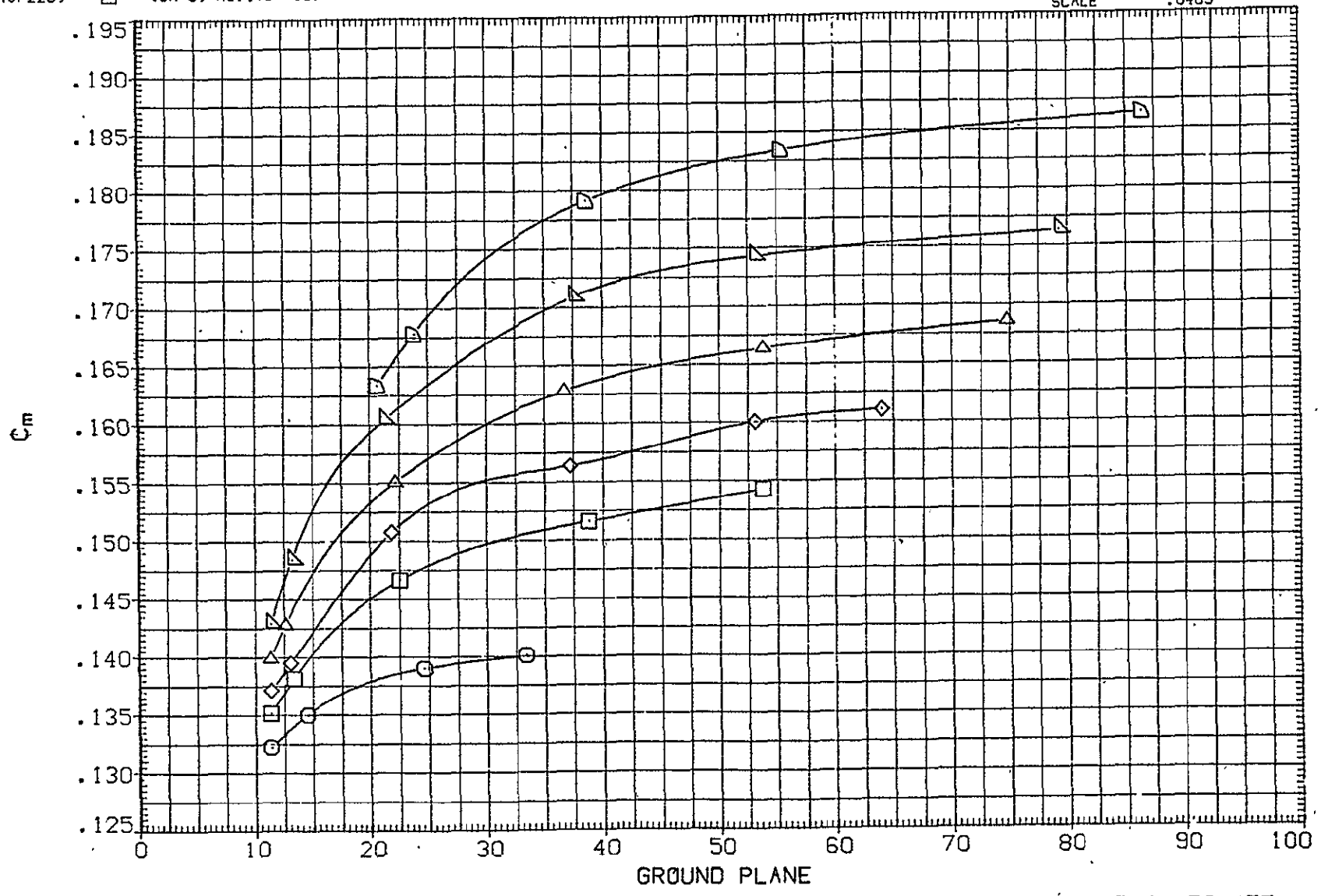

FIG 291 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF221)	◁	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF222)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.194	6.000	.000	-5.000
4.059	6.000	.000	-5.000
6.081	6.000	.000	-5.000
8.162	6.000	.000	-5.000
10.070	6.000	.000	-5.000
12.211	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

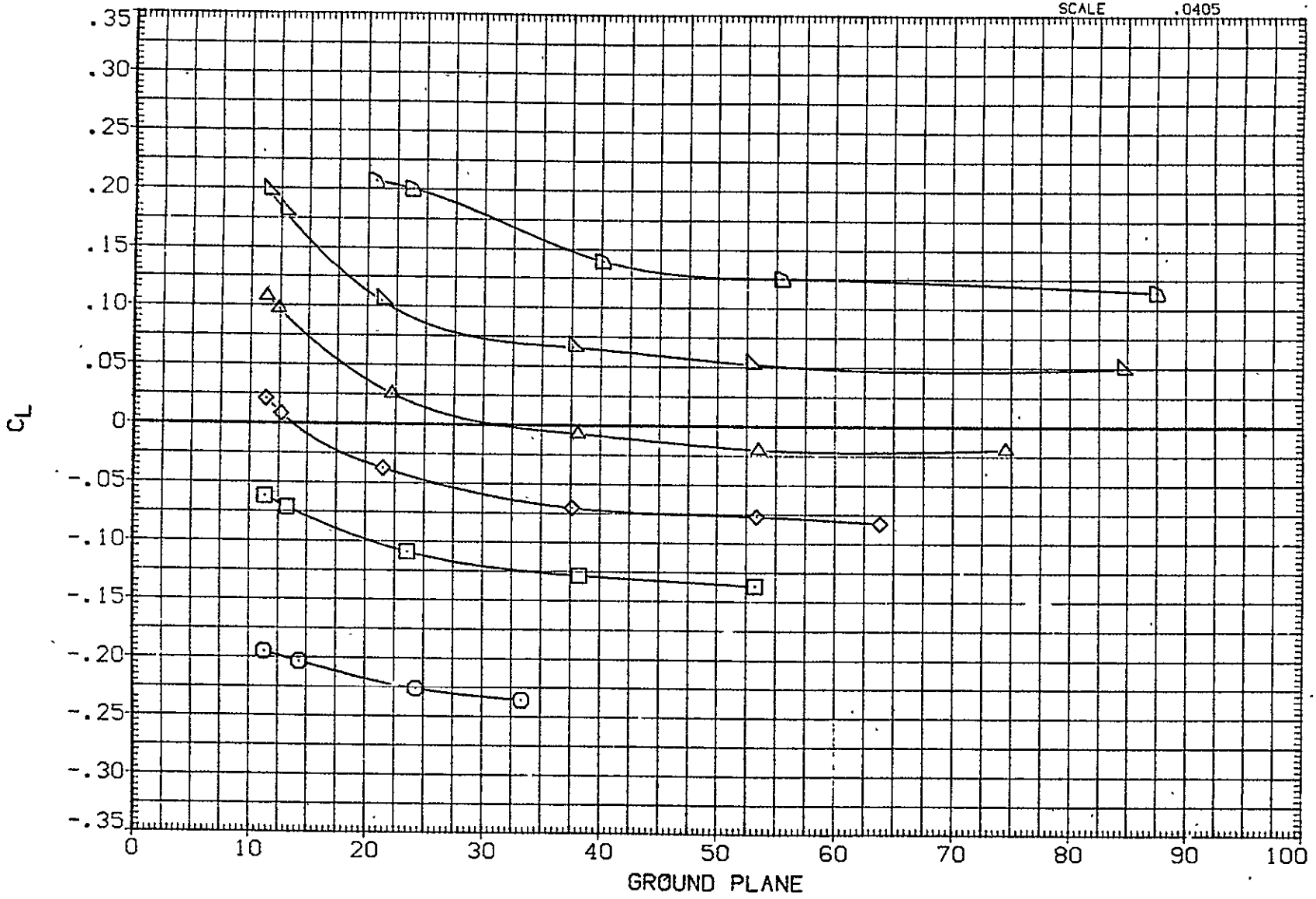

FIG 292 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF217)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.194	6.000	.000	-5.000
(TJF218)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.059	6.000	.000	-5.000
(TJF219)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.081	6.000	.000	-5.000
(TJF220)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.162	6.000	.000	-5.000
(TJF221)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.070	6.000	.000	-5.000
(TJF222)	D	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.211	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

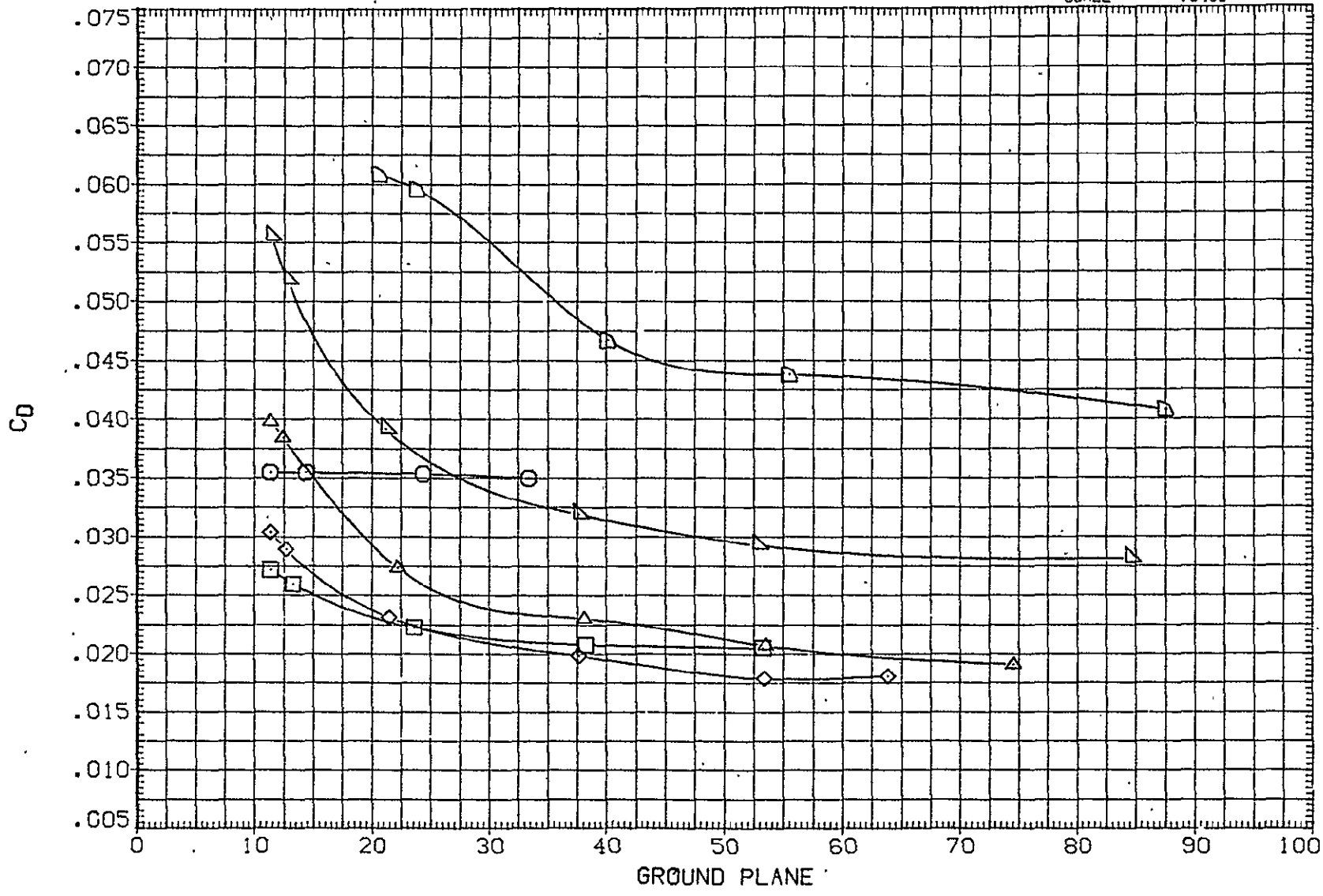

FIG 292 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF217)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF218)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF219)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF220)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF221)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5
(TJF222)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.194	6.000	.000	-5.000
4.059	6.000	.000	-5.000
6.081	6.000	.000	-5.000
8.162	6.000	.000	-5.000
10.070	6.000	.000	-5.000
12.211	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XC
YMRP	.0000	IN. YC
ZMRP	375.0000	IN. ZC
SCALE	.0405	

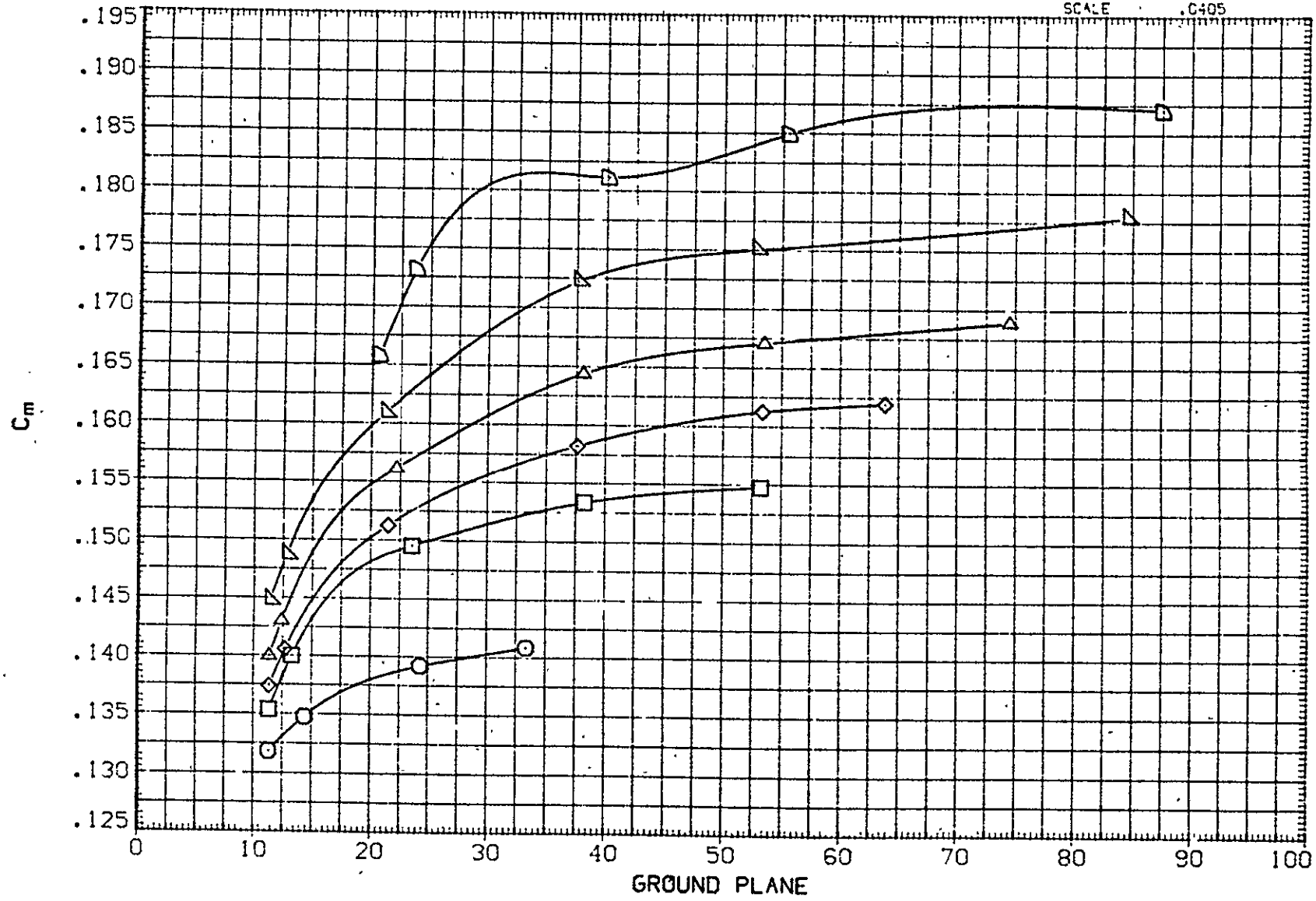

FIG 292 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.213	6.000	.000	-5.000
(TJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.137	6.000	.000	-5.000
(TJF213)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.140	6.000	.000	-5.000
(TJF214)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.192	6.000	.000	-5.000
(TJF215)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.124	6.000	.000	-5.000
(TJF216)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.123	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

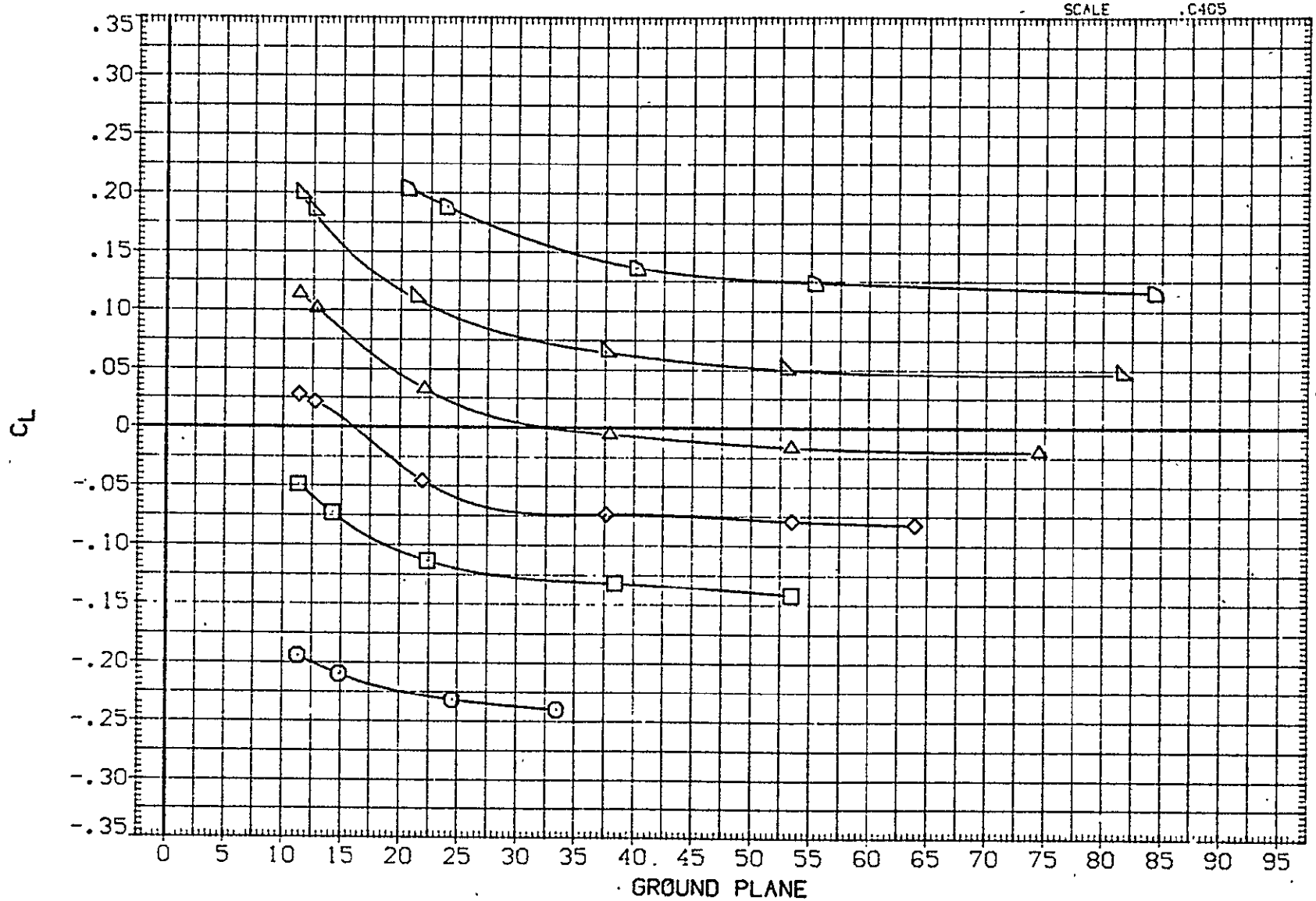

FIG 293 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF211)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.213	6.000	.000	-5.000
(TJF212)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.137	6.000	.000	-5.000
(TJF213)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.140	6.000	.000	-5.000
(TJF214)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.192	6.000	.000	-5.000
(TJF215)	⊲	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.124	6.000	.000	-5.000
(TJF216)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.123	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

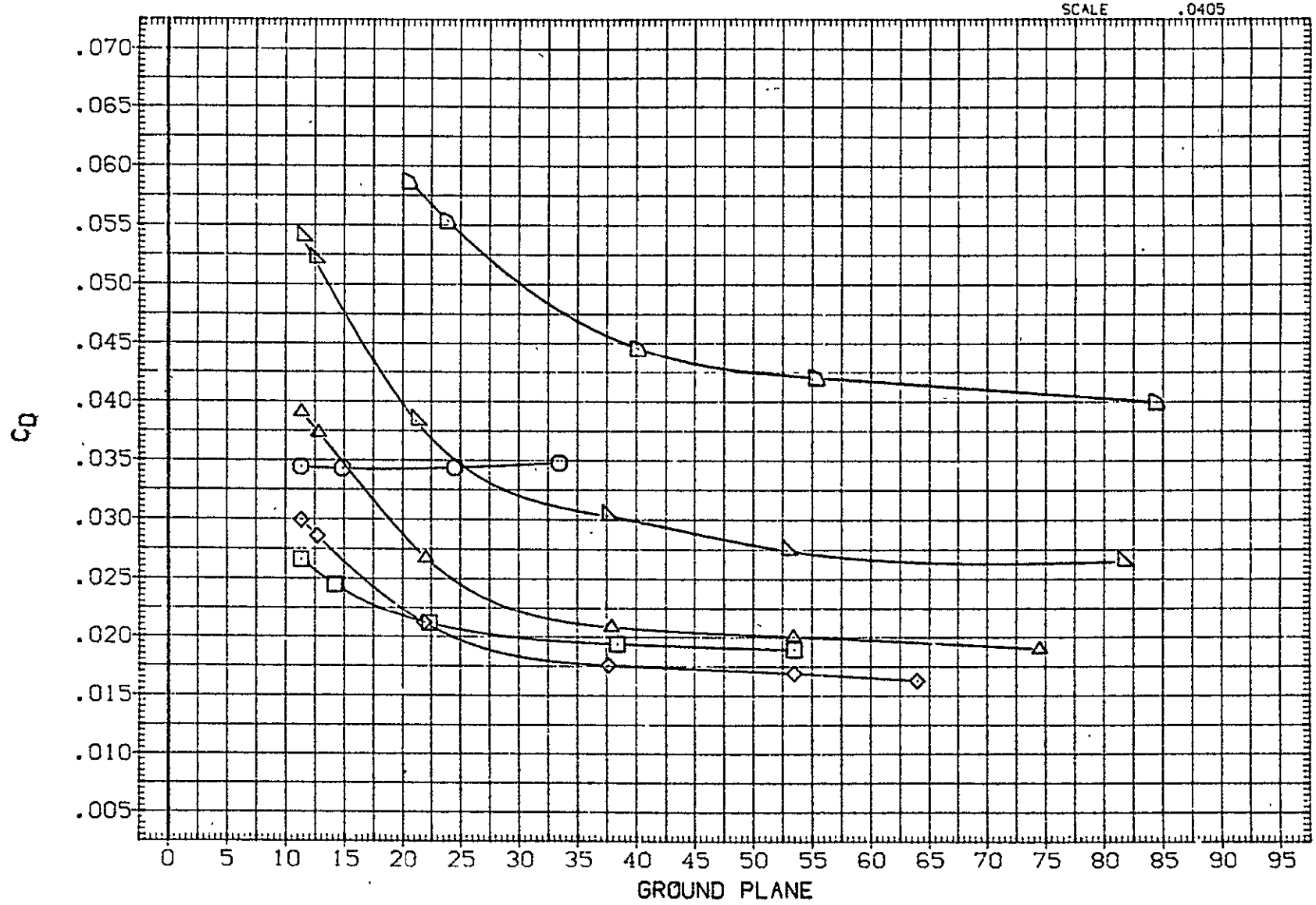

FIG 293 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

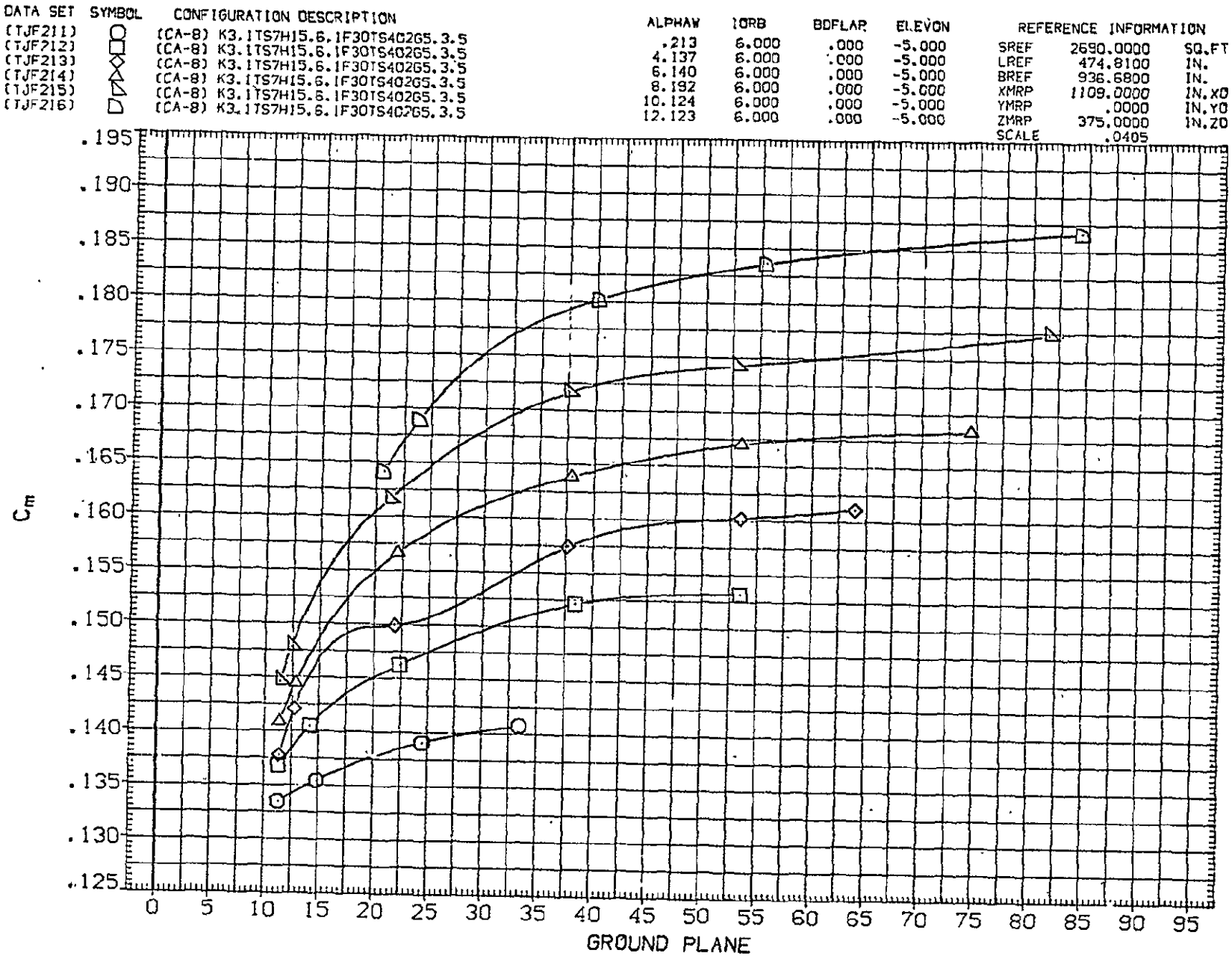

FIG 293 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF235)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000
(TJF236)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000
(TJF237)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000
(TJF238)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000
(TJF239)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000
(TJF240)		(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

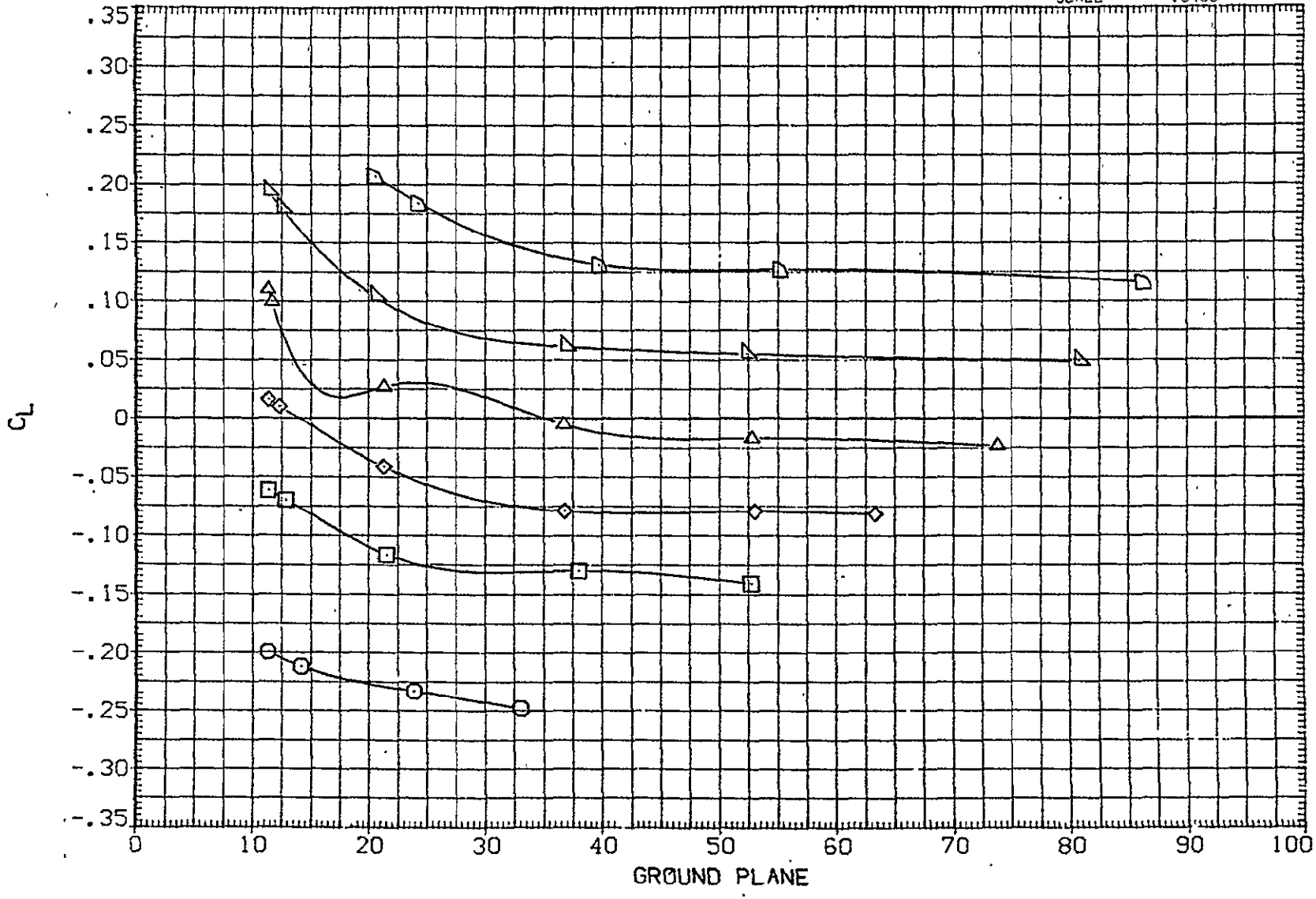

FIG 294 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPH	IORB	BDFLAP	ELEVON
(TJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000
(TJF236)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000
(TJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000
(TJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000
(TJF239)	◁	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000
(TJF240)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

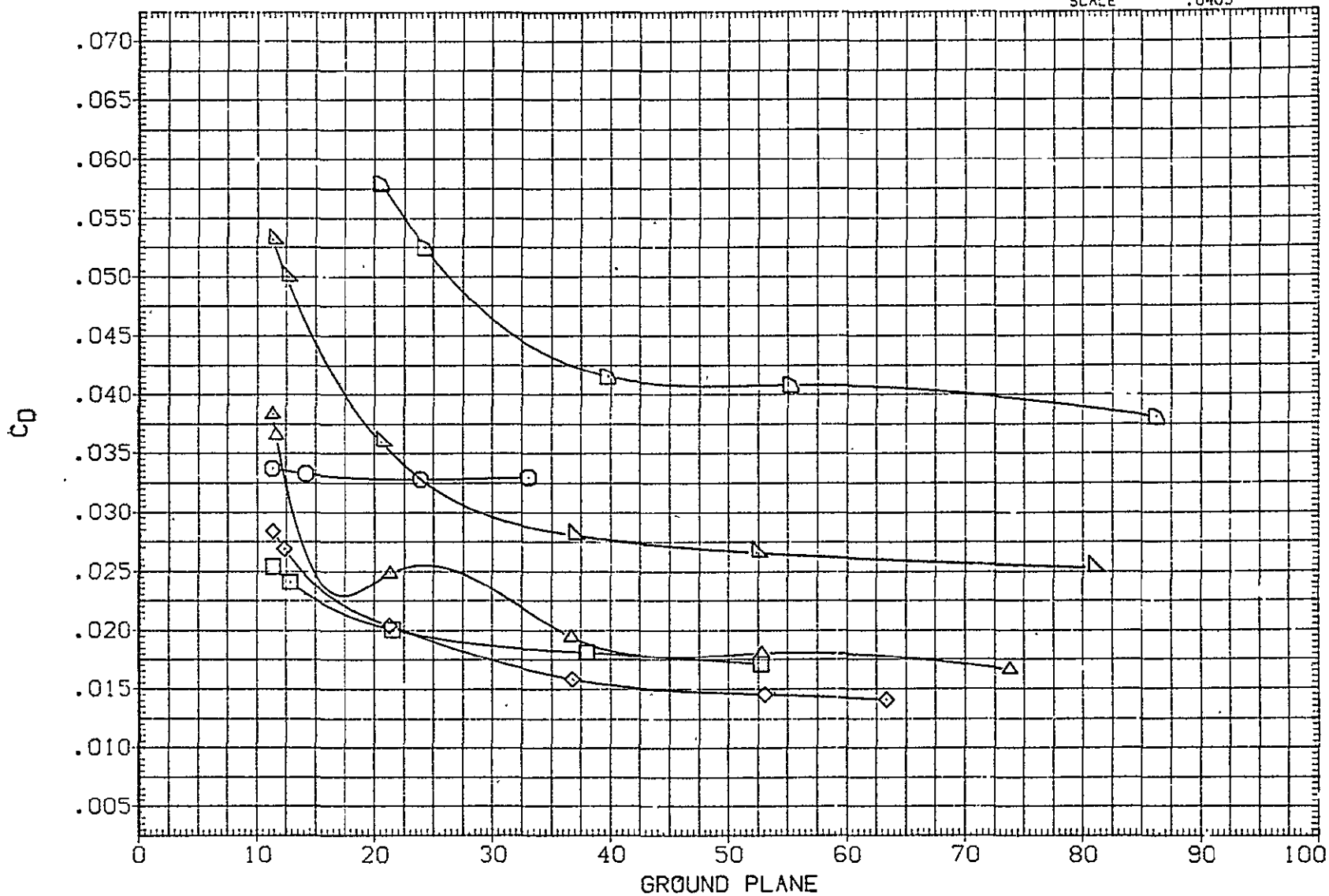

FIG 294 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF235)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.234	6.000	.000	-5.000
(TJF236)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.036	6.000	.000	-5.000
(TJF237)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.109	6.000	.000	-5.000
(TJF238)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.123	6.000	.000	-5.000
(TJF239)	◁	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.152	6.000	.000	-5.000
(TJF240)	D	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.091	6.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

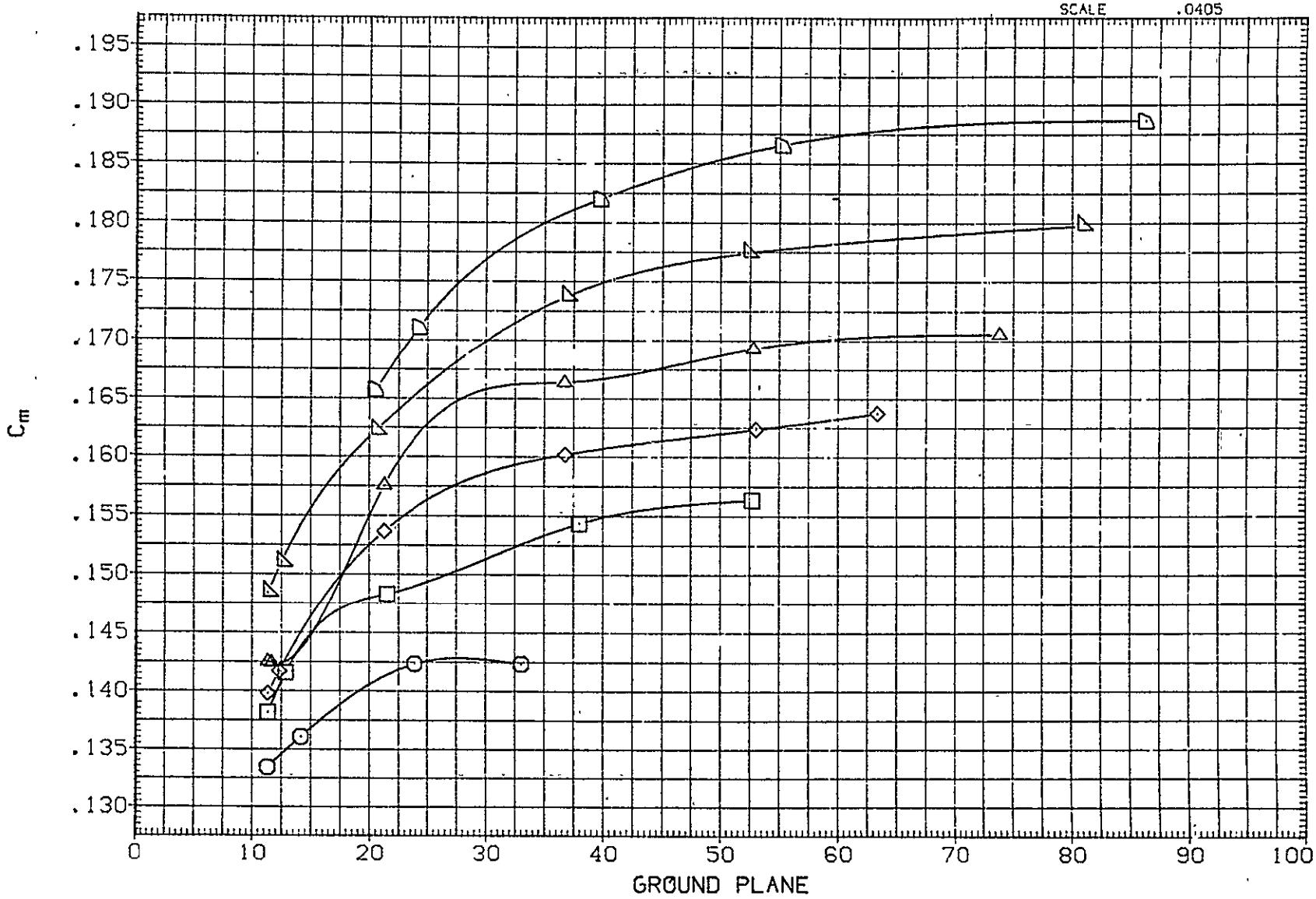

FIG 294 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=6, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF506)	○	(CA-8) K3.1TS7	F20TS40IG5.3.5	.111	8.000	-11.700	-5.000
(TJF507)	□	(CA-8) K3.1TS7	F20TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF508)	◇	(CA-8) K3.1TS7	F20TS40IG5.3.5	6.138	8.000	-11.700	-5.000
(TJF509)	△	(CA-8) K3.1TS7	F20TS40IG5.3.5	8.116	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

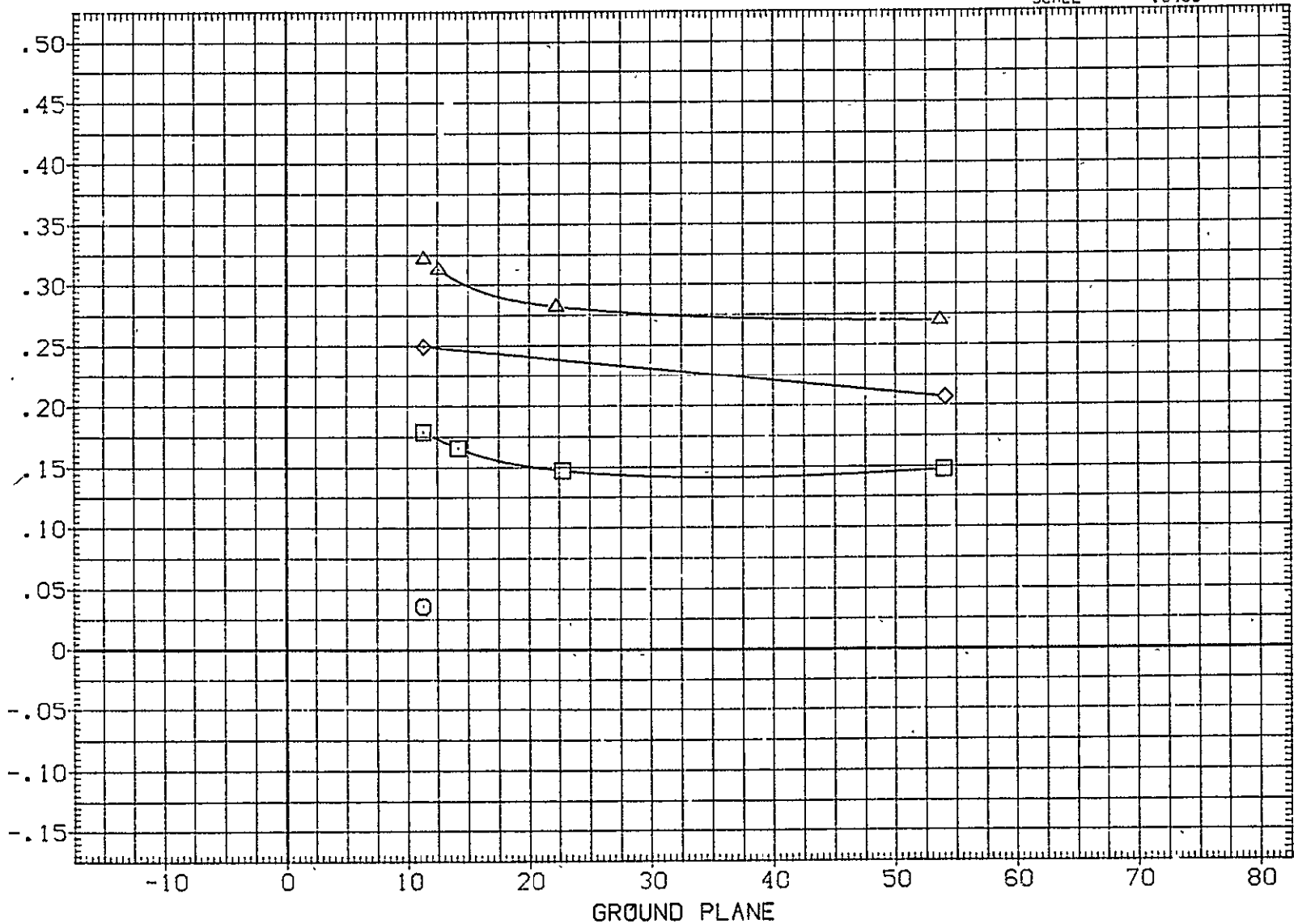

FIG 295 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF506)	○	(CA-8) K3.1TS7	F20TS40IG5.3.5	.111	8.000	-11.700	-5.000
(TJF507)	□	(CA-8) K3.1TS7	F20TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF508)	◇	(CA-8) K3.1TS7	F20TS40IG5.3.5	6.138	8.000	-11.700	-5.000
(TJF509)	△	(CA-8) K3.1TS7	F20TS40IG5.3.5	8.116	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

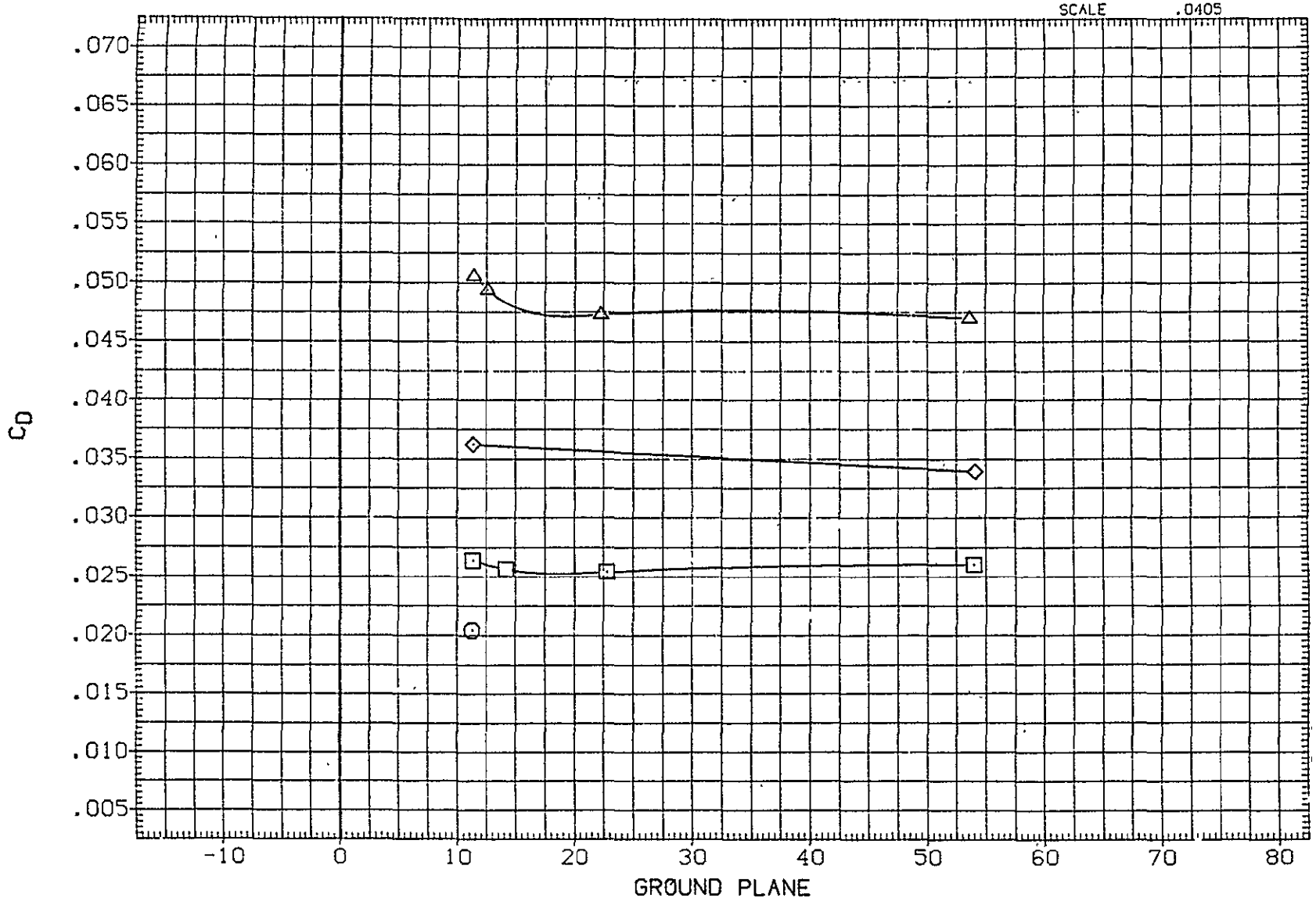

FIG 295 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF506)	○	(CA-8) K3.1TS7	F20TS40IG5.3.5	.111	8.000	-11.700	-5.000
(TJF507)	□	(CA-8) K3.1TS7	F20TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF508)	◇	(CA-8) K3.1TS7	F20TS40IG5.3.5	6.138	8.000	-11.700	-5.000
(TJF509)	△	(CA-8) K3.1TS7	F20TS40IG5.3.5	8.116	8.000	-11.700	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

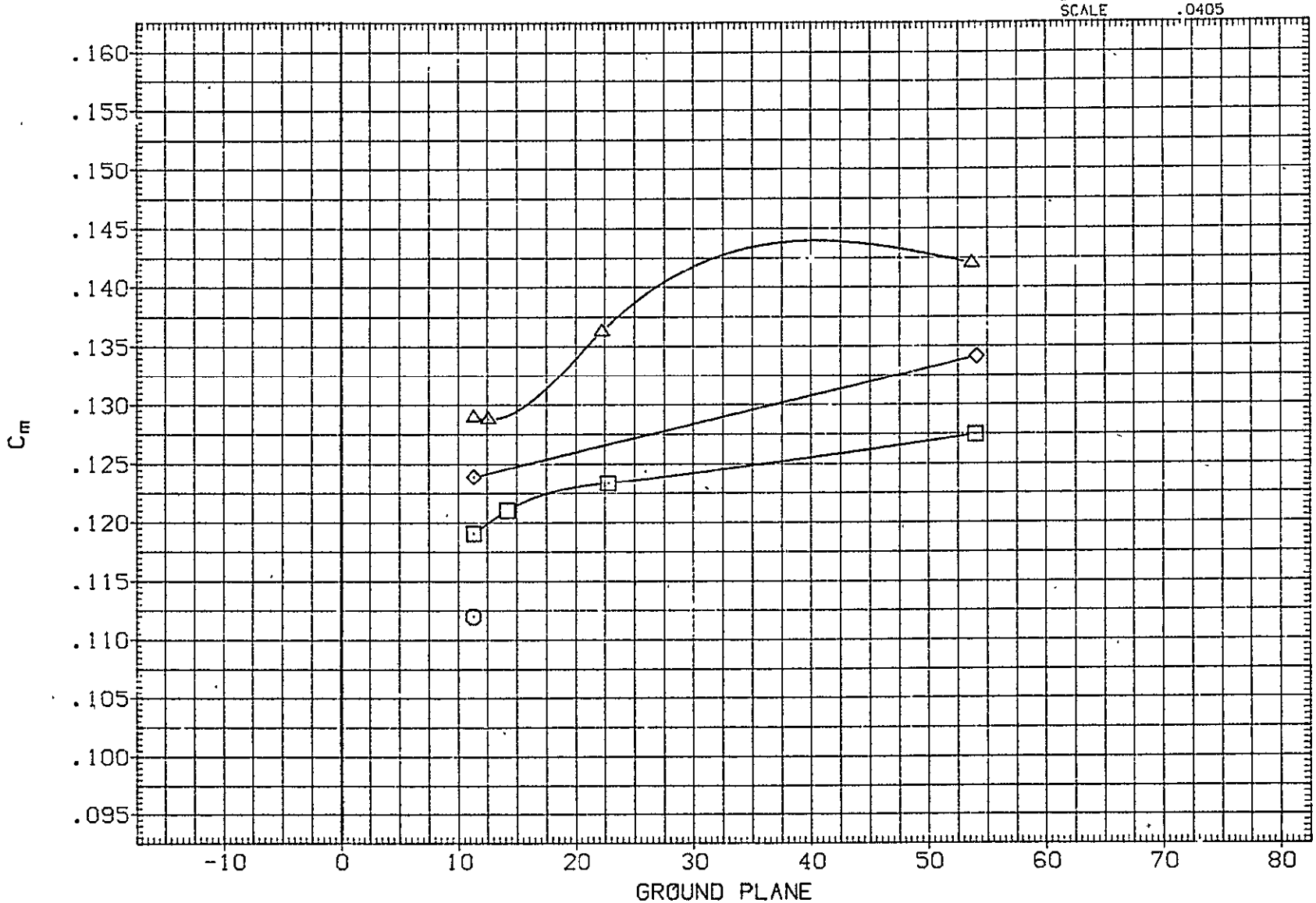

FIG 295 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORE	BDFLAP	ELEVON
(TJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	.171	8.000	-11.700	-5.000
(TJF501)	□	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	4.131	8.000	-11.700	-5.000
(TJF502)	◇	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	6.158	8.000	-11.700	-5.000
(TJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	8.117	8.000	-11.700	-5.000
(TJF504)	▽	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	10.134	8.000	-11.700	-5.000
(TJF505)	▷	(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5	12.118	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

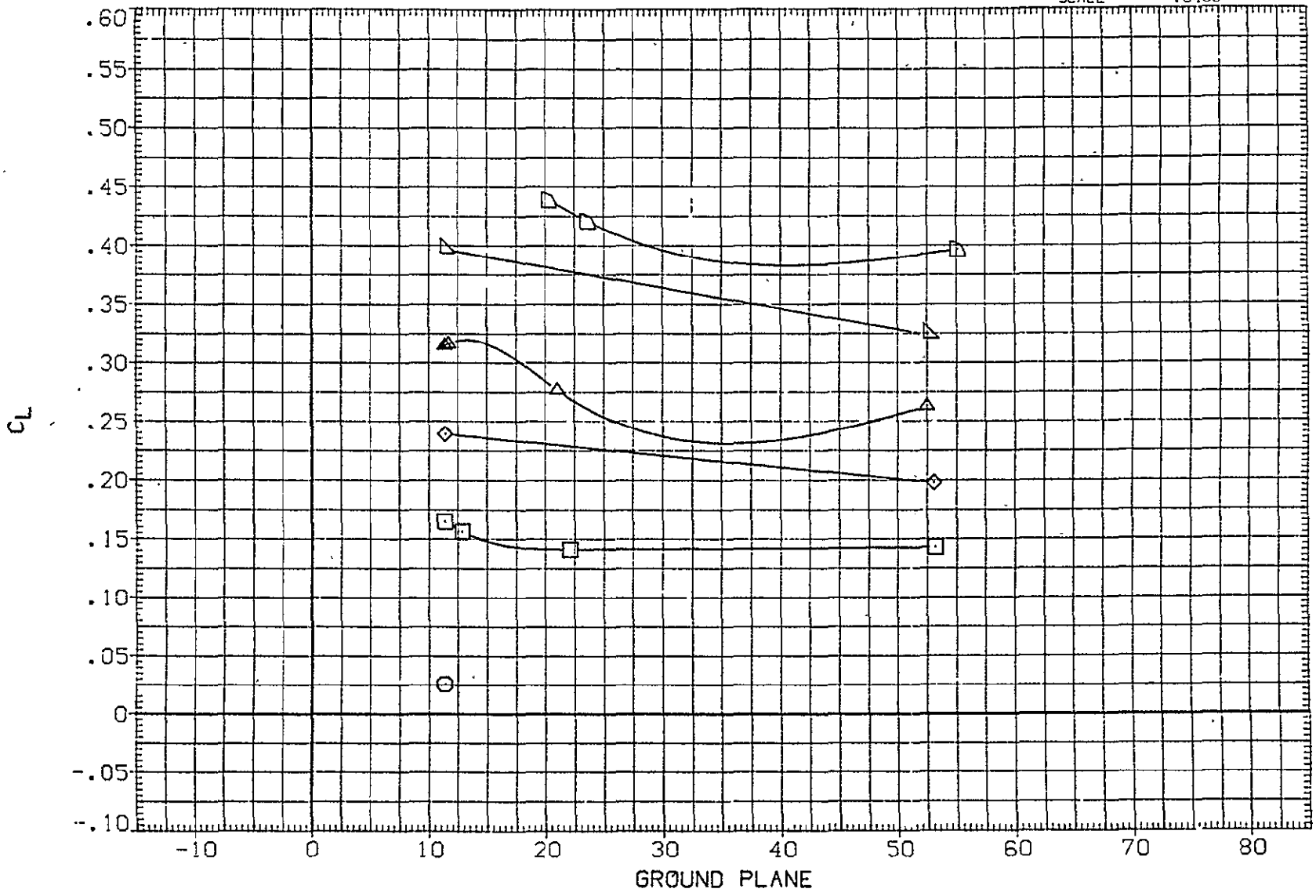

FIG 296 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF500)	○	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	.171	8.000	-11.700	-5.000
(TJF501)	□	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	4.131	8.000	-11.700	-5.000
(TJF502)	◇	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	6.158	8.000	-11.700	-5.000
(TJF503)	△	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	8.117	8.000	-11.700	-5.000
(TJF504)	◺	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	10.134	8.000	-11.700	-5.000
(TJF505)	▱	(CA-8) K3.1TS7H15.6.1F20TS40165.3.5	12.118	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMPP	375.0000	IN. ZO
SCALE	.0405	

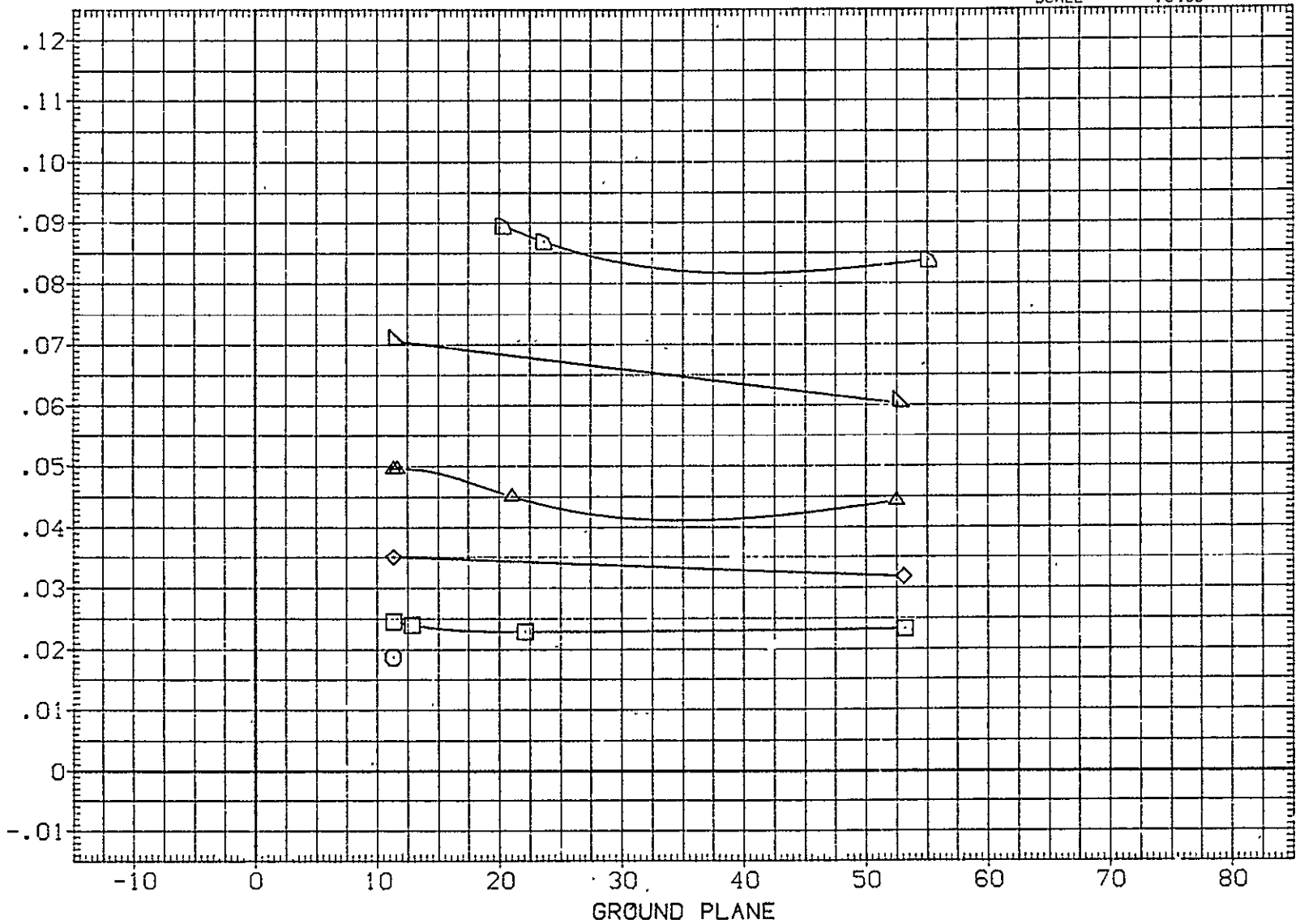

FIG 296 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF500)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	.171	8.000	-11.700	-5.000
(TJF501)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	4.131	8.000	-11.700	-5.000
(TJF502)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	6.158	8.000	-11.700	-5.000
(TJF503)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	8.117	8.000	-11.700	-5.000
(TJF504)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	10.134	8.000	-11.700	-5.000
(TJF505)		(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5	12.118	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

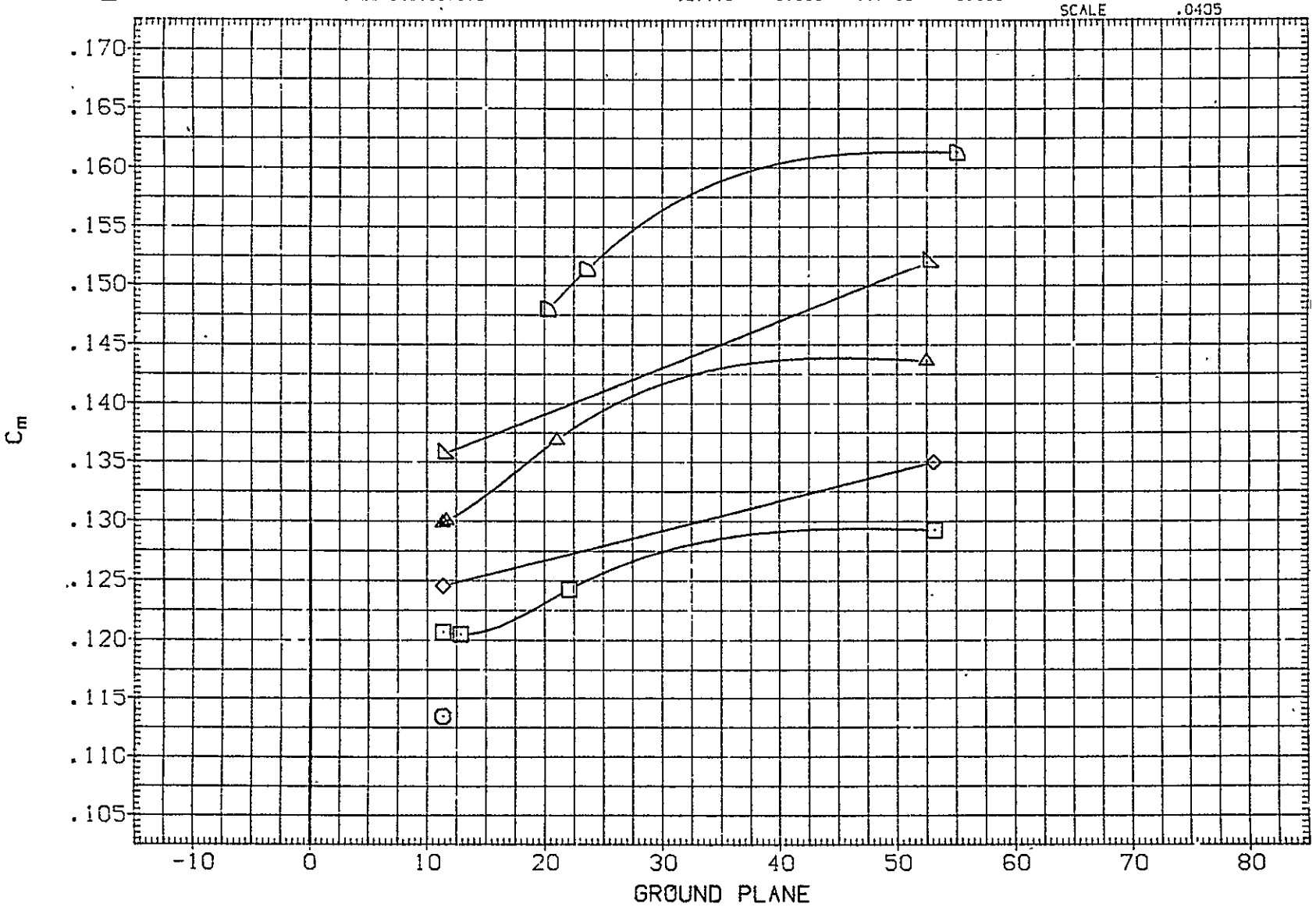

FIG 296 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF291)	○	(CA-8) K3.1TS7	F30TS40IG5.3.5	.231	8.000	-11.700	-5.000
(TJF292)	□	(CA-8) K3.1TS7	F30TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF293)	◇	(CA-8) K3.1TS7	F30TS40IG5.3.5	6.232	8.000	-11.700	-5.000
(TJF294)	△	(CA-8) K3.1TS7	F30TS40IG5.3.5	8.170	8.000	-11.700	-5.000
(TJF295)	▽	(CA-8) K3.1TS7	F30TS40IG5.3.5	10.141	8.000	-11.700	-5.000
(TJF296)	▷	(CA-8) K3.1TS7	F30TS40IG5.3.5	12.141	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

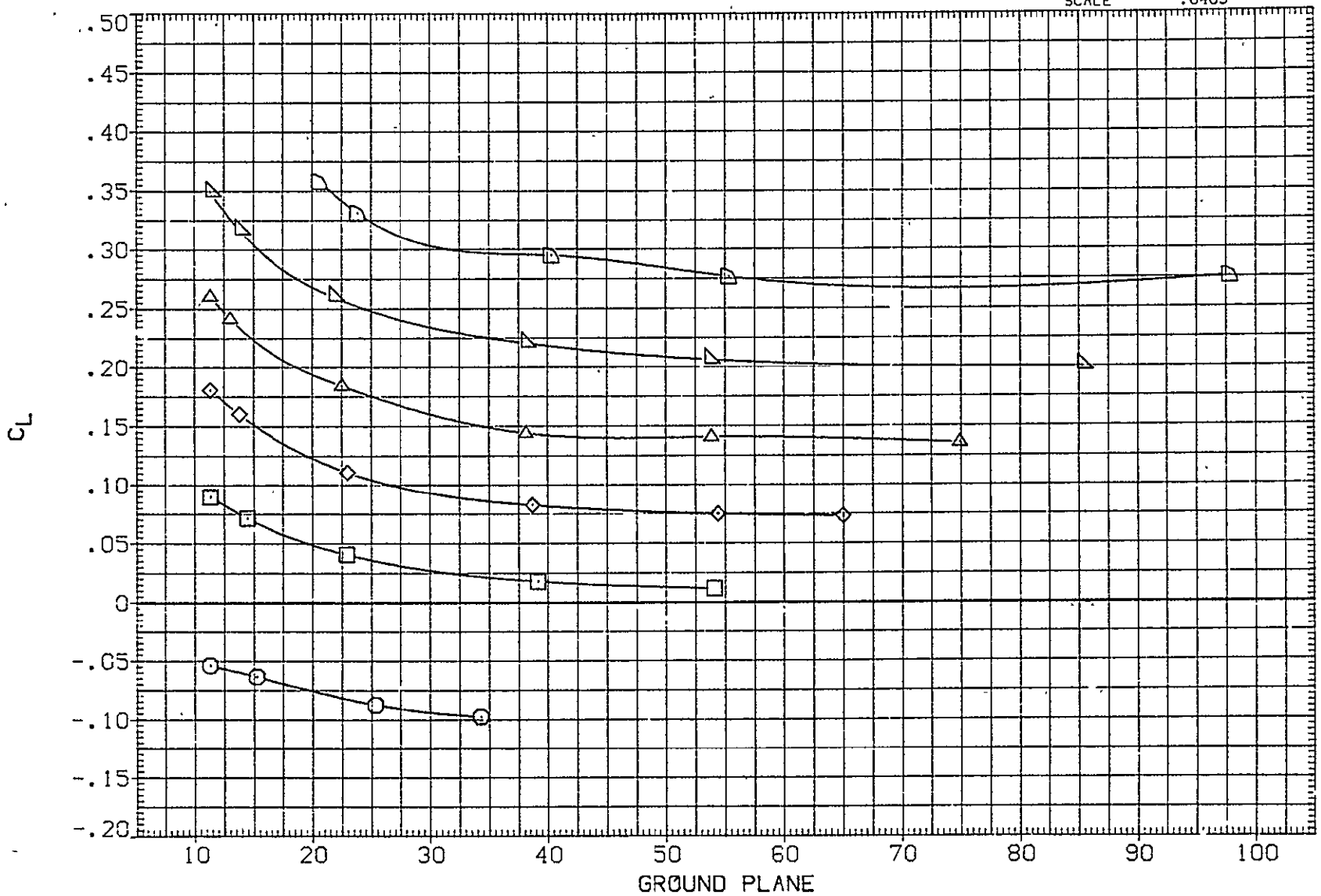

FIG 297 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC ØN
ØRBITER BALANCE DATA-GP SWEEPS

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF291)		(CA-8) K3.1TS7	F30TS40IG5.3.5	.231	8.000	-11.700	-5.000
(TJF292)		(CA-8) K3.1TS7	F30TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF293)		(CA-8) K3.1TS7	F30TS40IG5.3.5	6.232	8.000	-11.700	-5.000
(TJF294)		(CA-8) K3.1TS7	F30TS40IG5.3.5	8.170	8.000	-11.700	-5.000
(TJF295)		(CA-8) K3.1TS7	F30TS40IG5.3.5	10.141	8.000	-11.700	-5.000
(TJF296)		(CA-8) K3.1TS7	F30TS40IG5.3.5	12.141	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

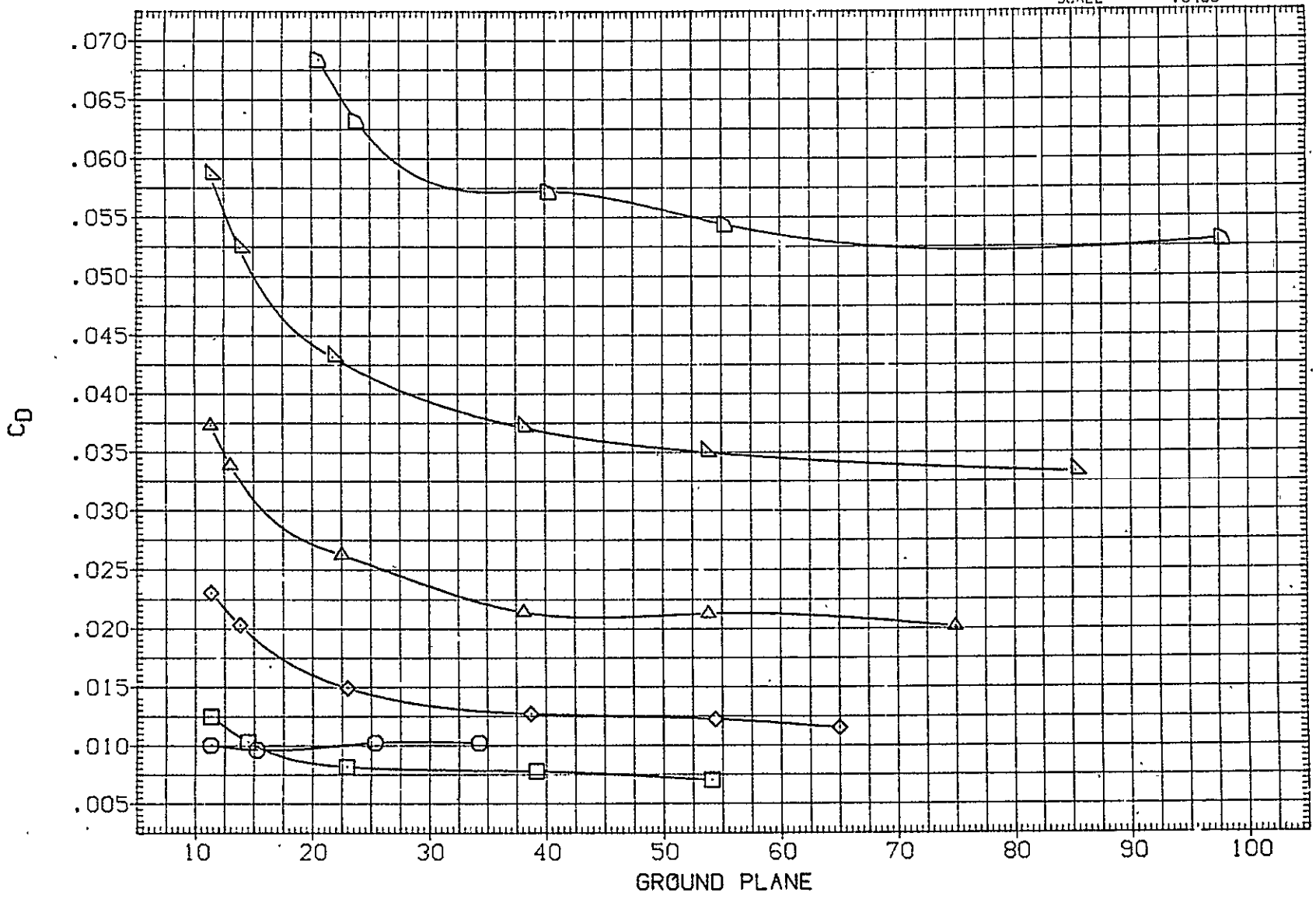

FIG 297 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF291)	○	(CA-8) K3.1TS7	F30TS40IG5.3.5	.231	8.000	-11.700	-5.000
(TJF292)	□	(CA-8) K3.1TS7	F30TS40IG5.3.5	4.088	8.000	-11.700	-5.000
(TJF293)	◇	(CA-8) K3.1TS7	F30TS40IG5.3.5	6.232	8.000	-11.700	-5.000
(TJF294)	△	(CA-8) K3.1TS7	F30TS40IG5.3.5	8.170	8.000	-11.700	-5.000
(TJF295)	◺	(CA-8) K3.1TS7	F30TS40IG5.3.5	10.141	8.000	-11.700	-5.000
(TJF296)	▱	(CA-8) K3.1TS7	F30TS40IG5.3.5	12.141	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

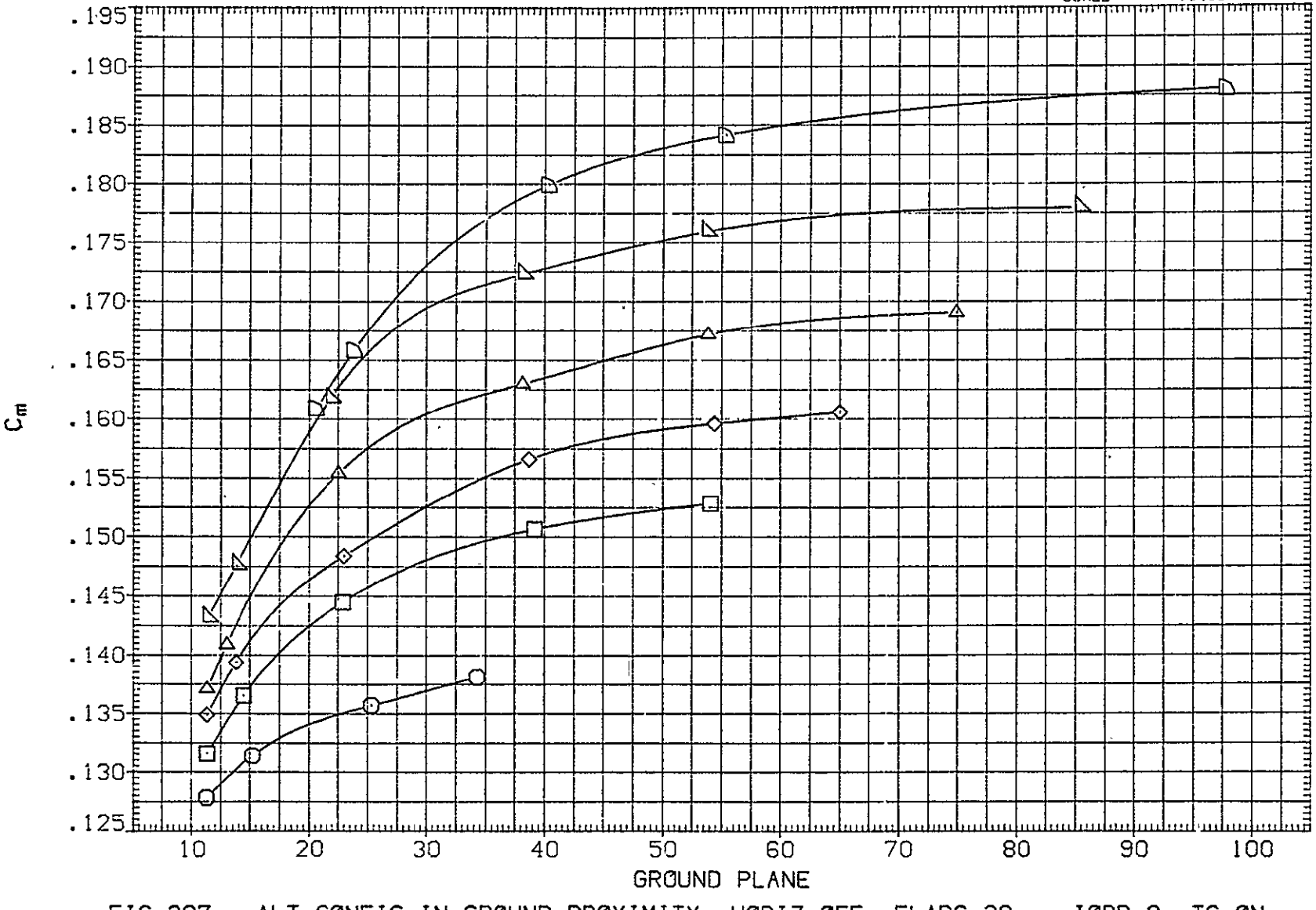

FIG 297 ALT CONFIG IN GROUND PROXIMITY. HORIZ OFF. FLAPS 30. IORB=8. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .16

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.120	8.000	-11.700	-5.000
(TJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.113	8.000	-11.700	-5.000
(TJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.125	8.000	-11.700	-5.000
(TJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.199	8.000	-11.700	-5.000
(TJF289)	◸	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.130	8.000	-11.700	-5.000
(TJF290)	▱	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.171	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

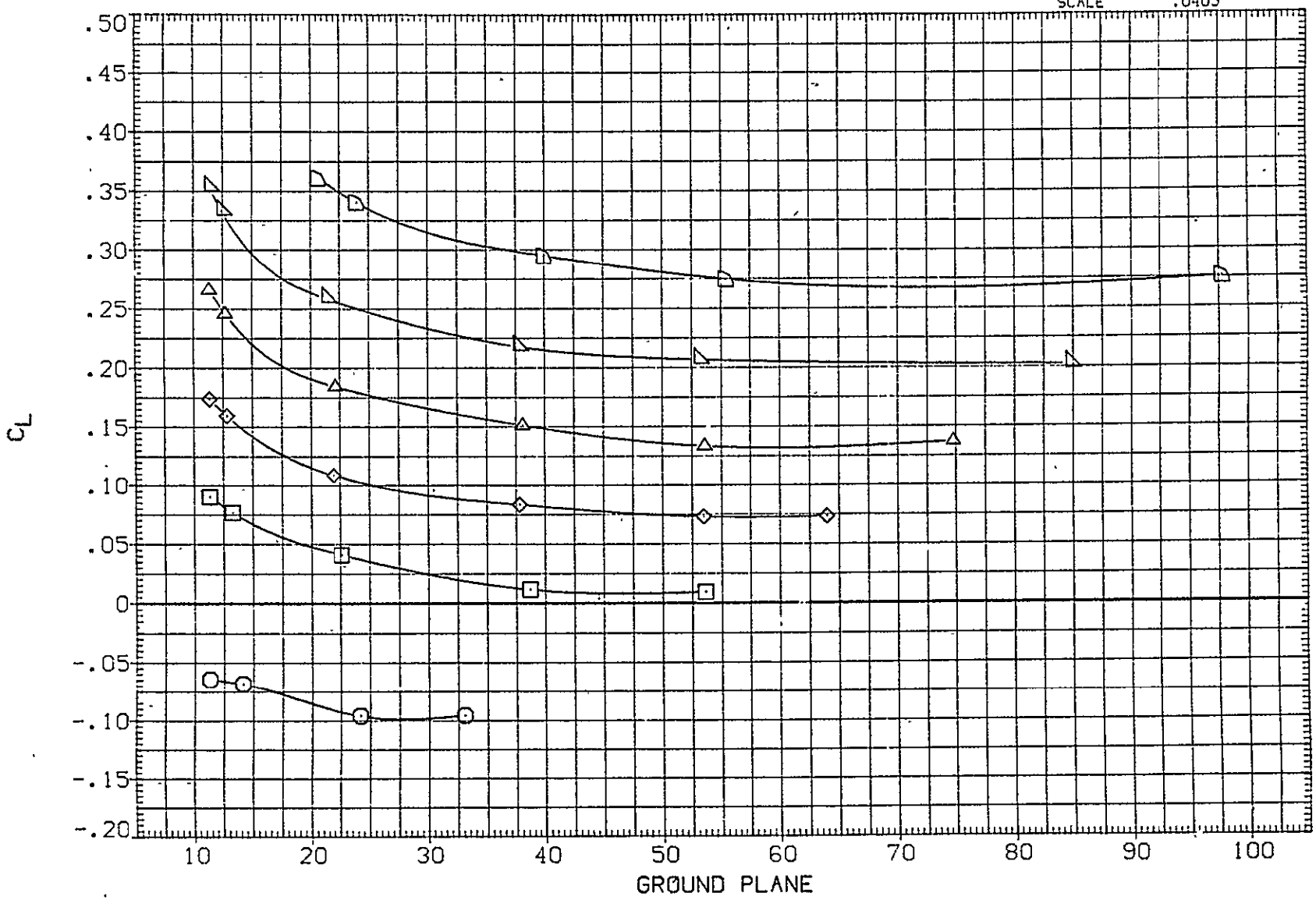

FIG 298 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF285)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.120	8.000	-11.700	-5.000
(TJF286)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.113	8.000	-11.700	-5.000
(TJF287)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.125	8.000	-11.700	-5.000
(TJF288)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.199	8.000	-11.700	-5.000
(TJF289)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.130	8.000	-11.700	-5.000
(TJF290)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.171	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

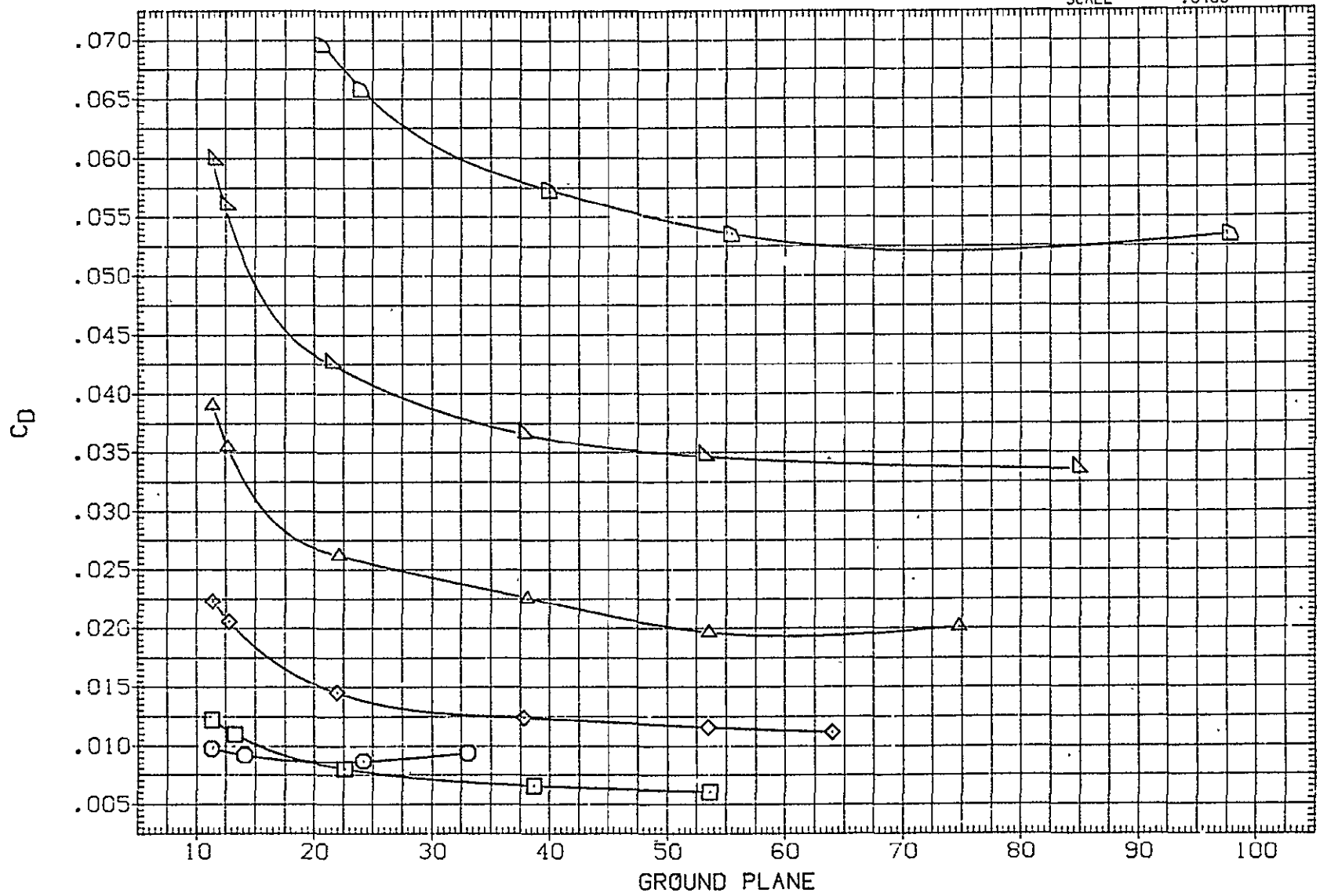

FIG 298 ALT CONFIG IN GROUND PROXIMITY. STAB = 2. FLAPS 30. IORB=8. TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF285)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF286)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF287)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF288)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF289)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF290)	▷	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.120	8.000	-11.700	-5.000
4.113	8.000	-11.700	-5.000
6.125	8.000	-11.700	-5.000
8.199	8.000	-11.700	-5.000
10.130	8.000	-11.700	-5.000
12.171	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

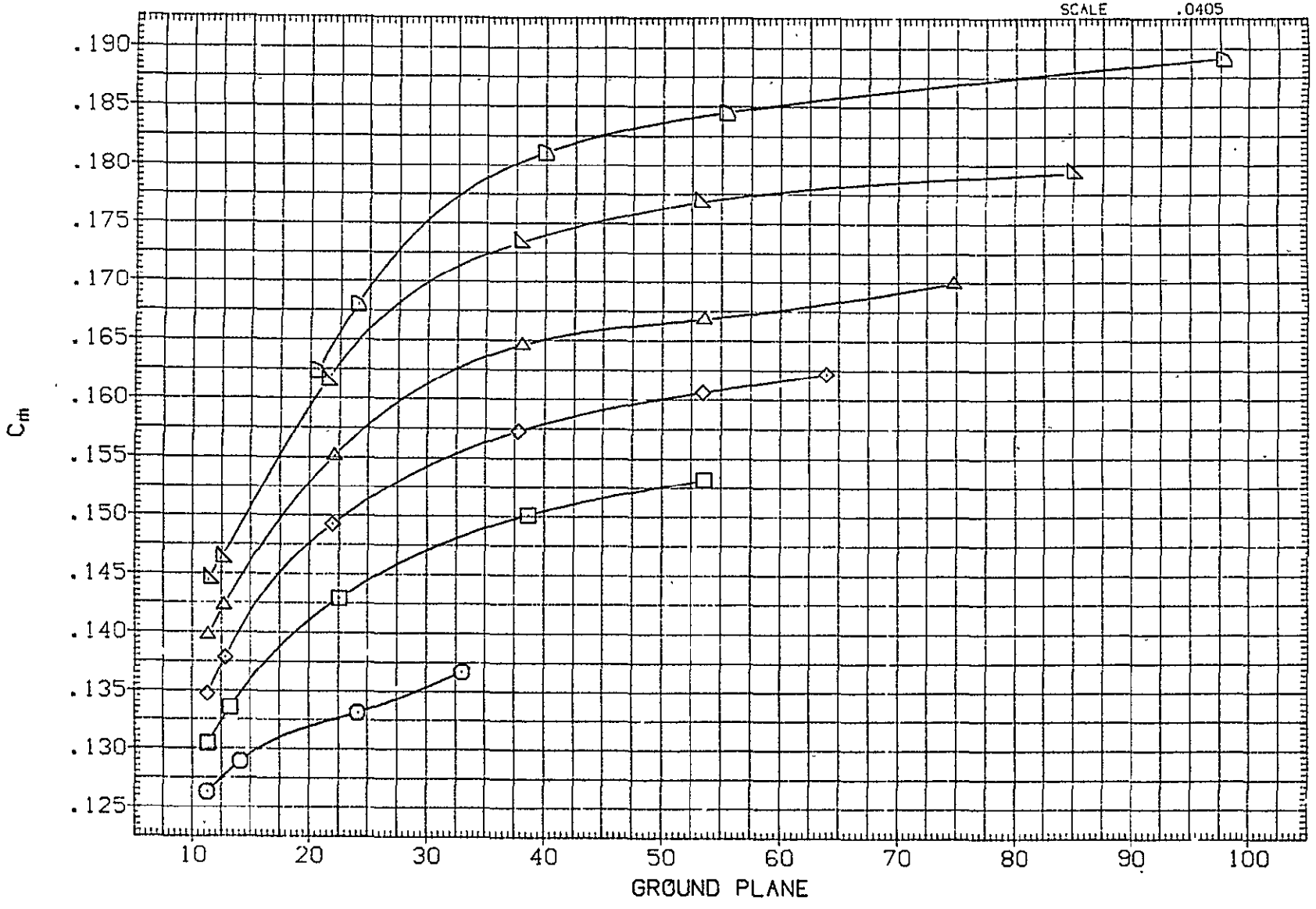

FIG 298 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ICRB	BDFLAP	ELEVON
(TJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.208	8.000	-11.700	-5.000
(TJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.170	8.000	-11.700	-5.000
(TJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.144	8.000	-11.700	-5.000
(TJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.179	8.000	-11.700	-5.000
(TJF277)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.178	8.000	-11.700	-5.000
(TJF278)	▷	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.184	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

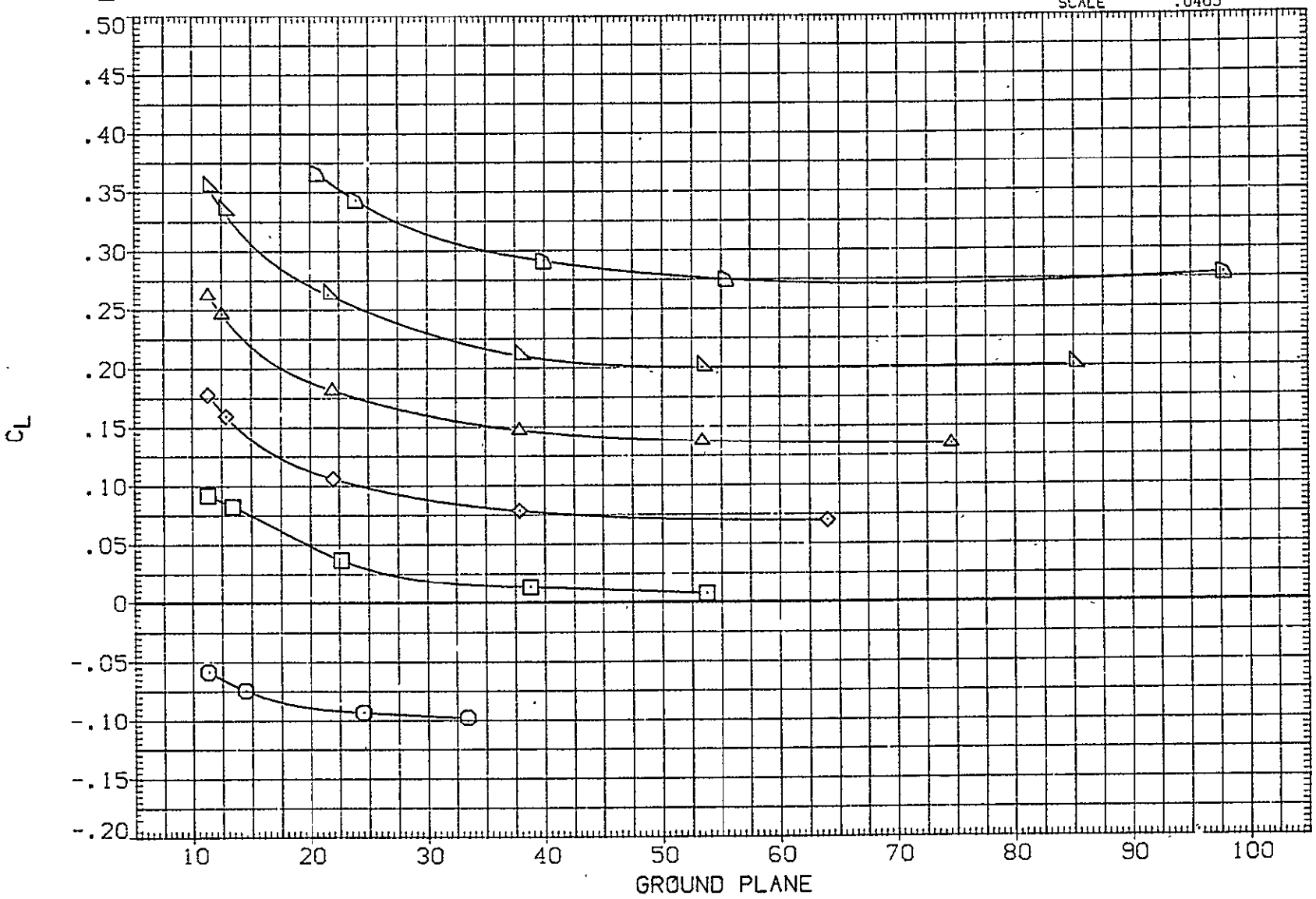

FIG 299 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.208	8.000	-11.700	-5.000
(TJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.170	8.000	-11.700	-5.000
(TJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.144	8.000	-11.700	-5.000
(TJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.179	8.000	-11.700	-5.000
(TJF277)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.178	8.000	-11.700	-5.000
(TJF278)	▷	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.184	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

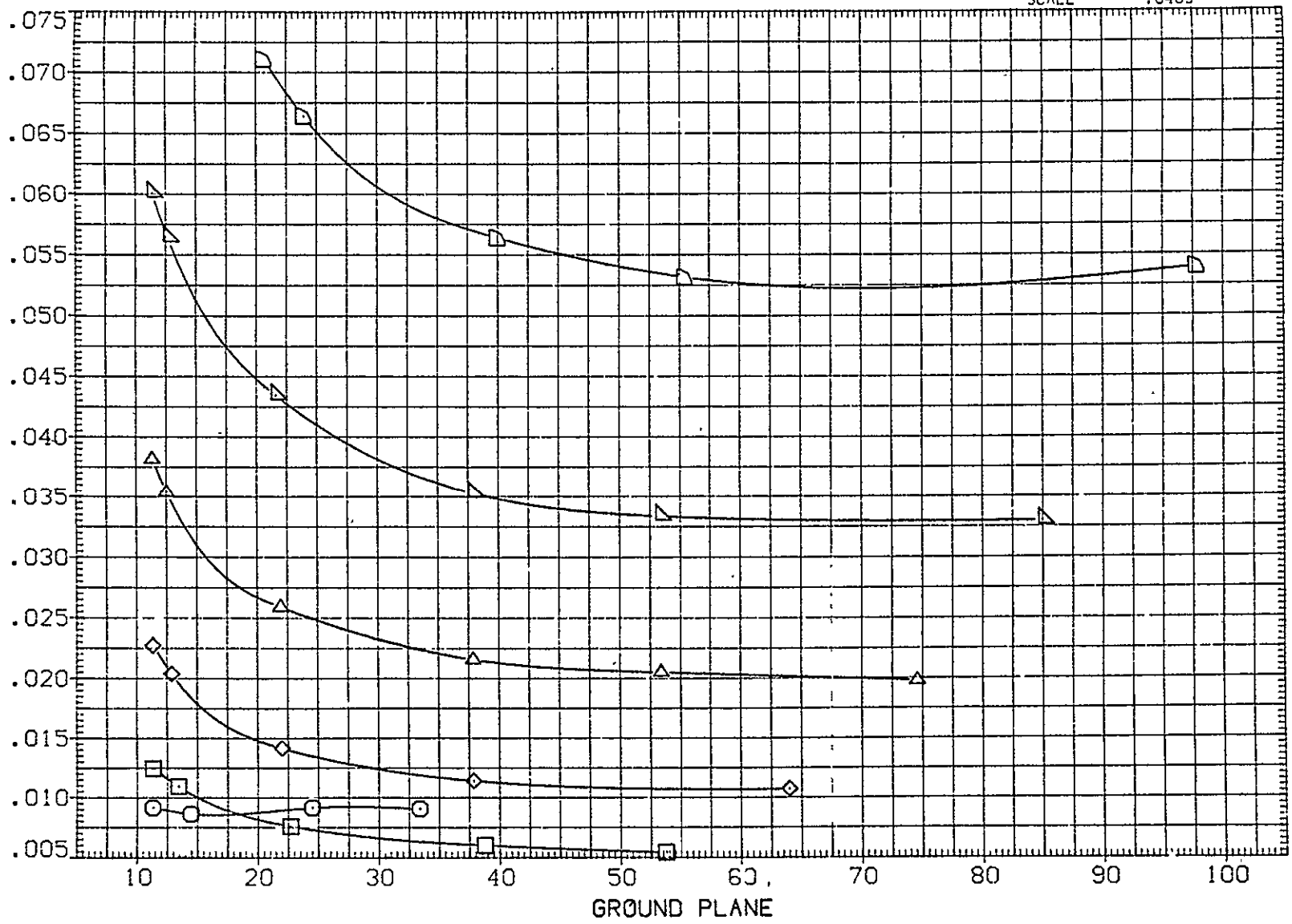

FIG 299 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF273)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.208	8.000	-11.700	-5.000
(TJF274)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.170	8.000	-11.700	-5.000
(TJF275)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.144	8.000	-11.700	-5.000
(TJF276)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.179	8.000	-11.700	-5.000
(TJF277)	◁	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.178	8.000	-11.700	-5.000
(TJF278)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.184	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

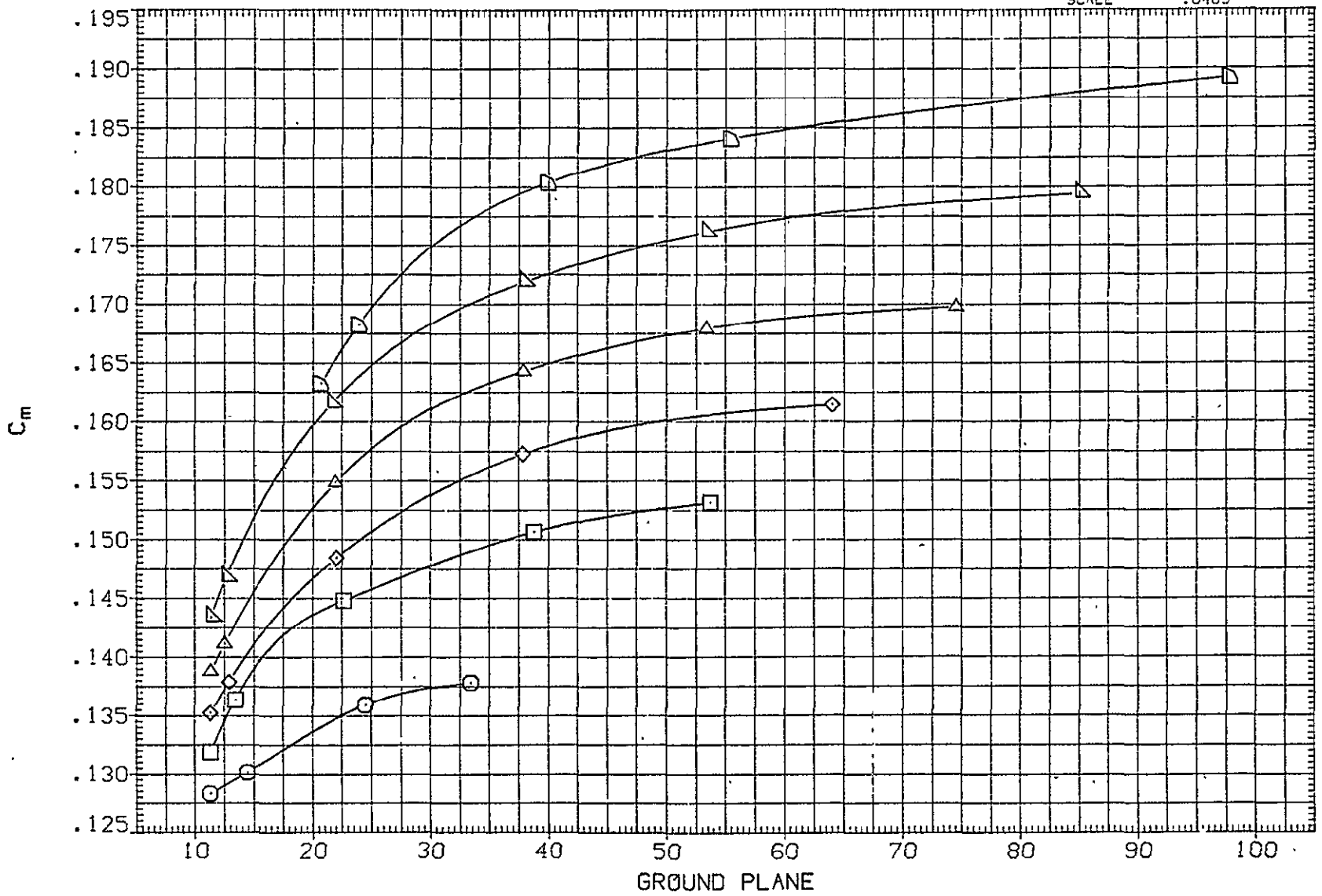

FIG 299 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF279)	○	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	.160	8.000	-11.700	-5.000
(TJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	4.141	8.000	-11.700	-5.000
(TJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	6.199	8.000	-11.700	-5.000
(TJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	8.128	8.000	-11.700	-5.000
(TJF283)	▽	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	10.137	8.000	-11.700	-5.000
(TJF284)	▷	(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5	12.159	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

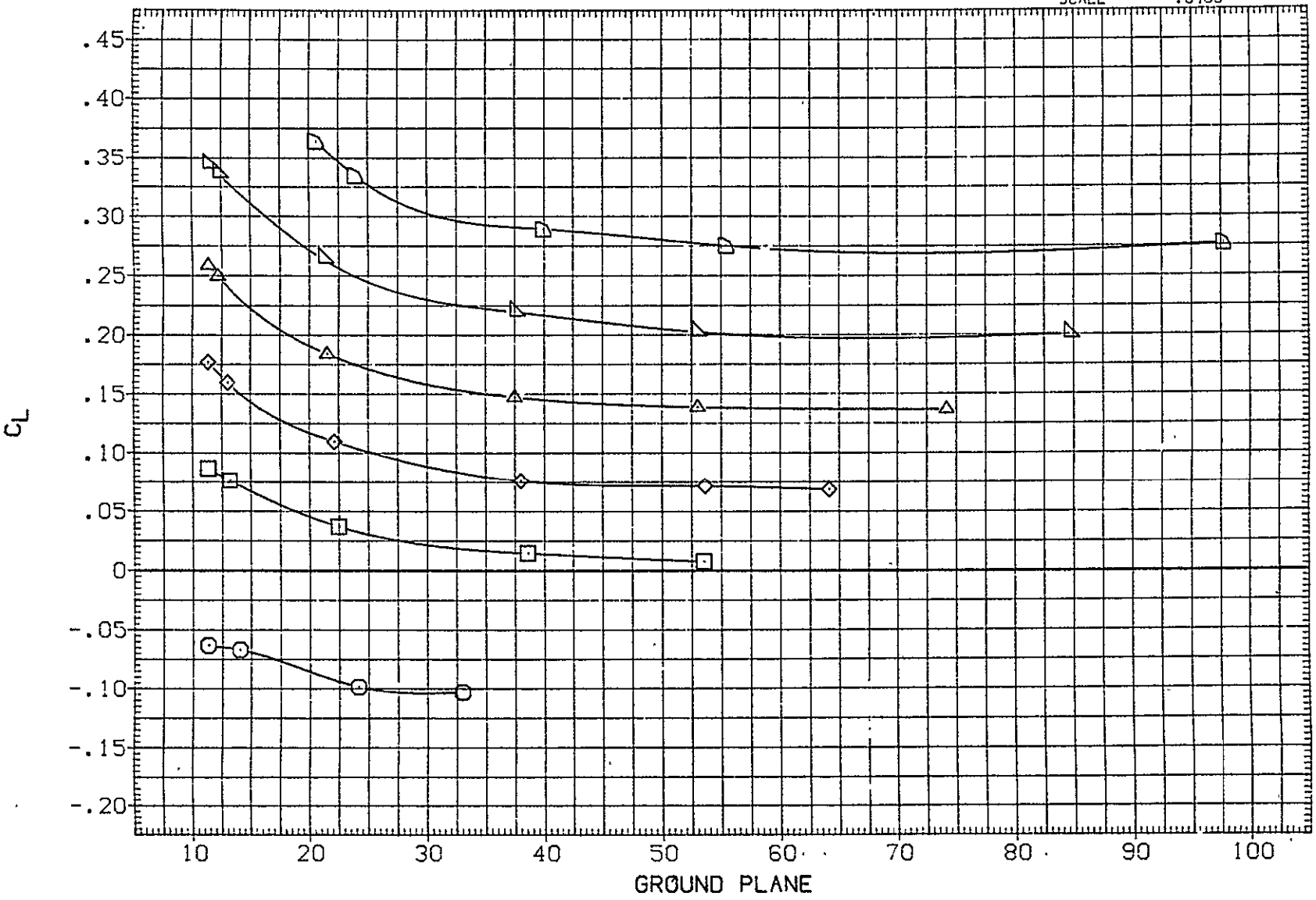

FIG 300 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF279)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.160	8.000	-11.700	-5.000
(TJF280)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.141	8.000	-11.700	-5.000
(TJF281)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.199	8.000	-11.700	-5.000
(TJF282)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.128	8.000	-11.700	-5.000
(TJF293)	▽	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.137	8.000	-11.700	-5.000
(TJF284)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.159	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

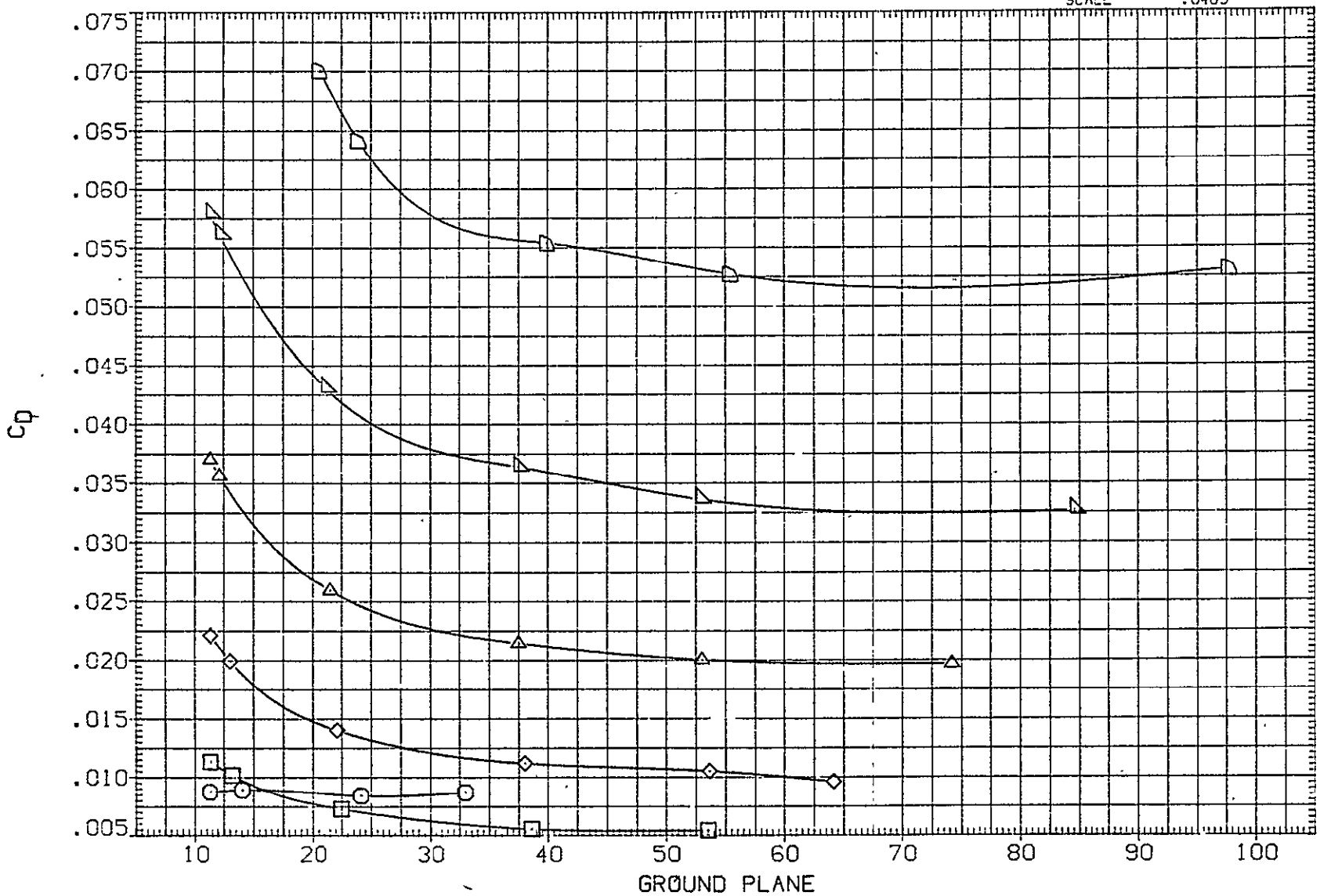

FIG 300 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF279)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.160	8.000	-11.700	-5.000
(TJF280)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.141	8.000	-11.700	-5.000
(TJF281)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.199	8.000	-11.700	-5.000
(TJF282)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.128	8.000	-11.700	-5.000
(TJF283)	◺	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.137	8.000	-11.700	-5.000
(TJF284)	▱	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.159	8.000	-11.700	-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

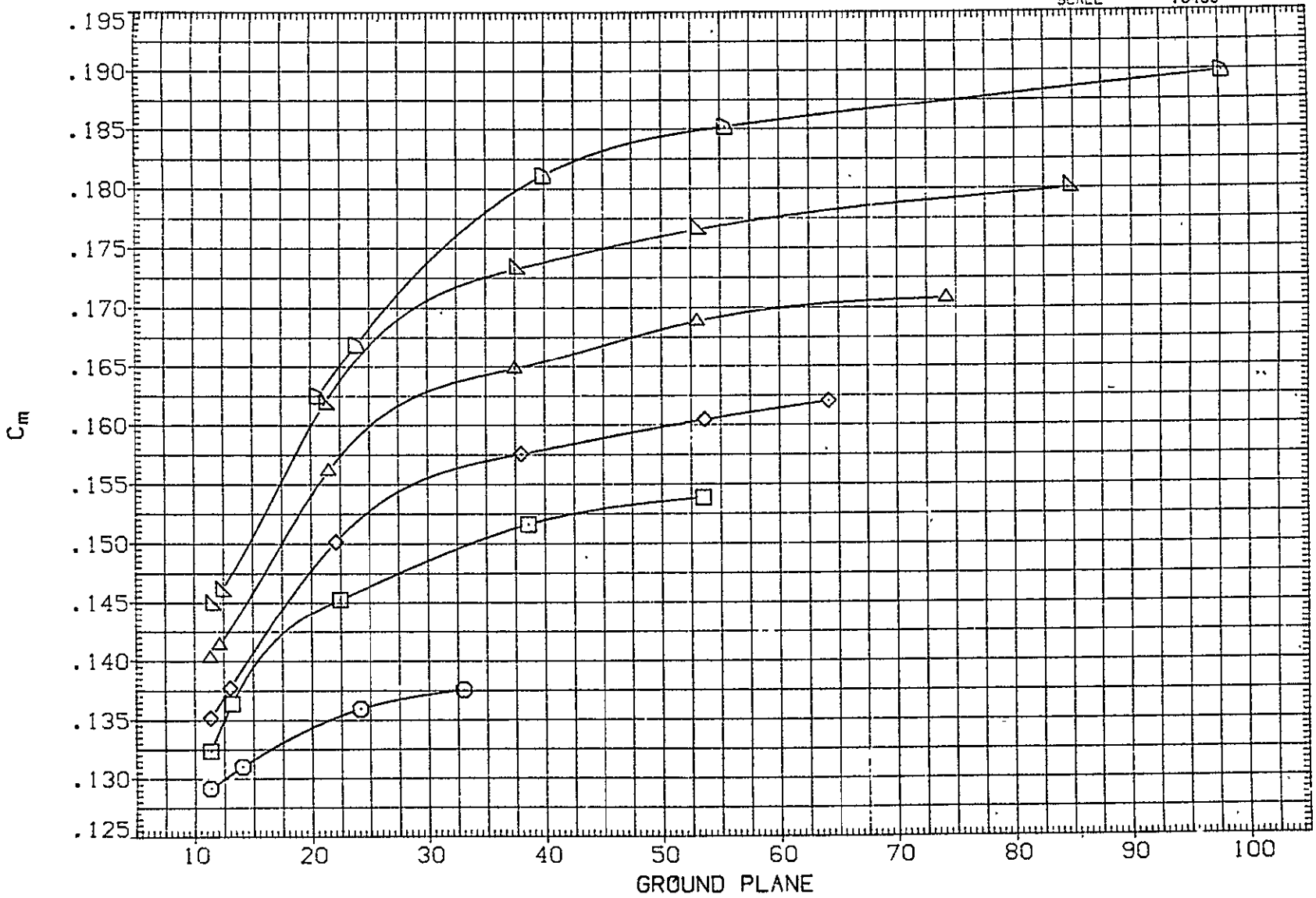

FIG 300 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF301)	◺	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5
(TJF302)	▱	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.263	8.000	-11.700	-5.000
4.047	8.000	-11.700	-5.000
6.135	8.000	-11.700	-5.000
8.209	8.000	-11.700	-5.000
10.143	8.000	-11.700	-5.000
12.252	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0405	

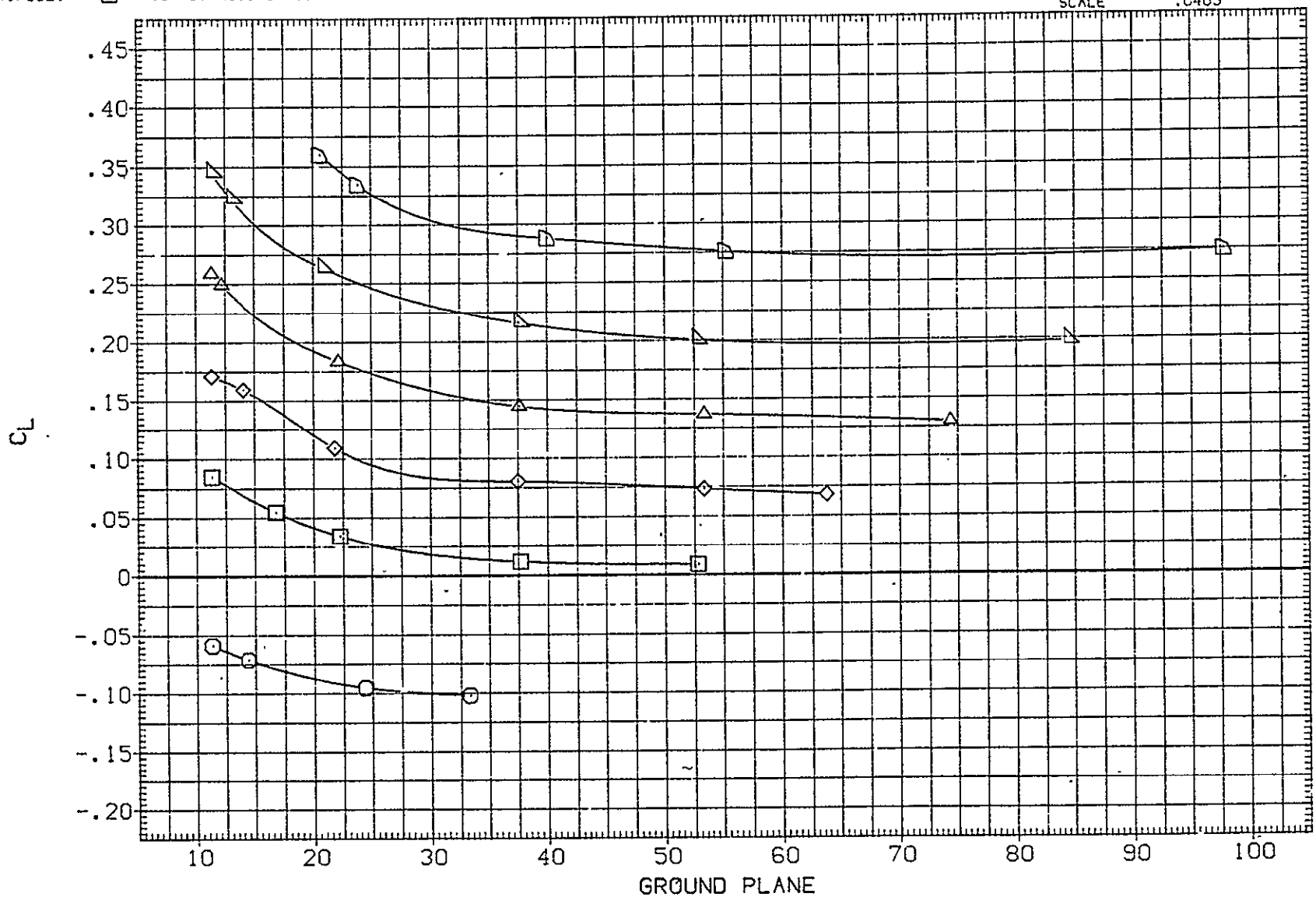

FIG 301 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	ORB	BDFLAP	ELEVON
(TJF297)	○	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	.263	8.000	-11.700	-5.000
(TJF298)	□	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	4.047	8.000	-11.700	-5.000
(TJF299)	◇	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	6.135	8.000	-11.700	-5.000
(TJF300)	△	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	8.209	8.000	-11.700	-5.000
(TJF301)	◁	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	10.143	8.000	-11.700	-5.000
(TJF302)	▷	(CA-8) K3.1TS7H15.6.1F30TS40165.3.5	12.252	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

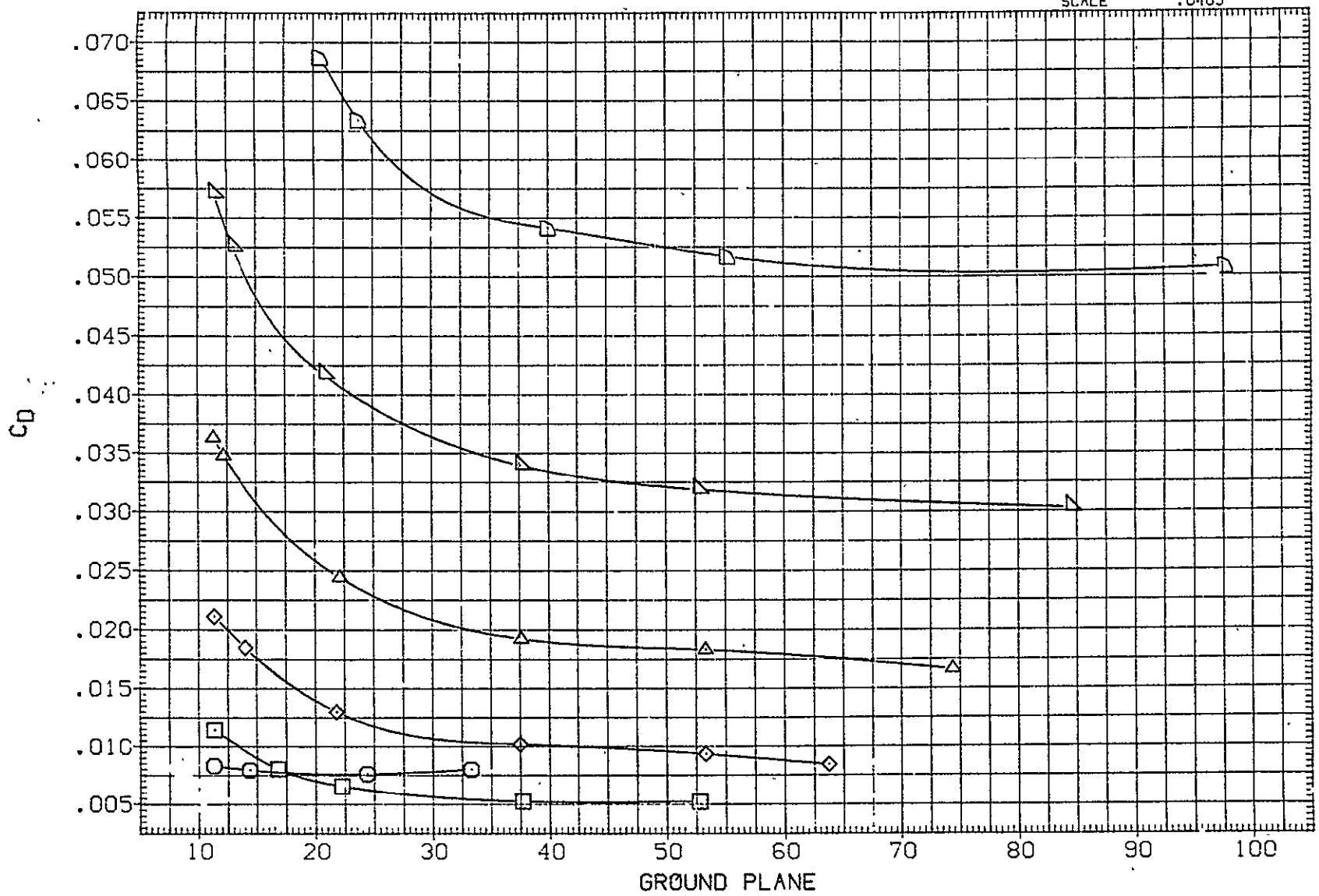

FIG 301 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF297)	□	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	.263	8.000	-11.700	-5.000
(TJF298)	◇	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	4.047	8.000	-11.700	-5.000
(TJF299)	△	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	6.135	8.000	-11.700	-5.000
(TJF300)	◁	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	8.209	8.000	-11.700	-5.000
(TJF301)	⊙	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	10.143	8.000	-11.700	-5.000
(TJF302)	⊡	(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5	12.252	8.000	-11.700	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

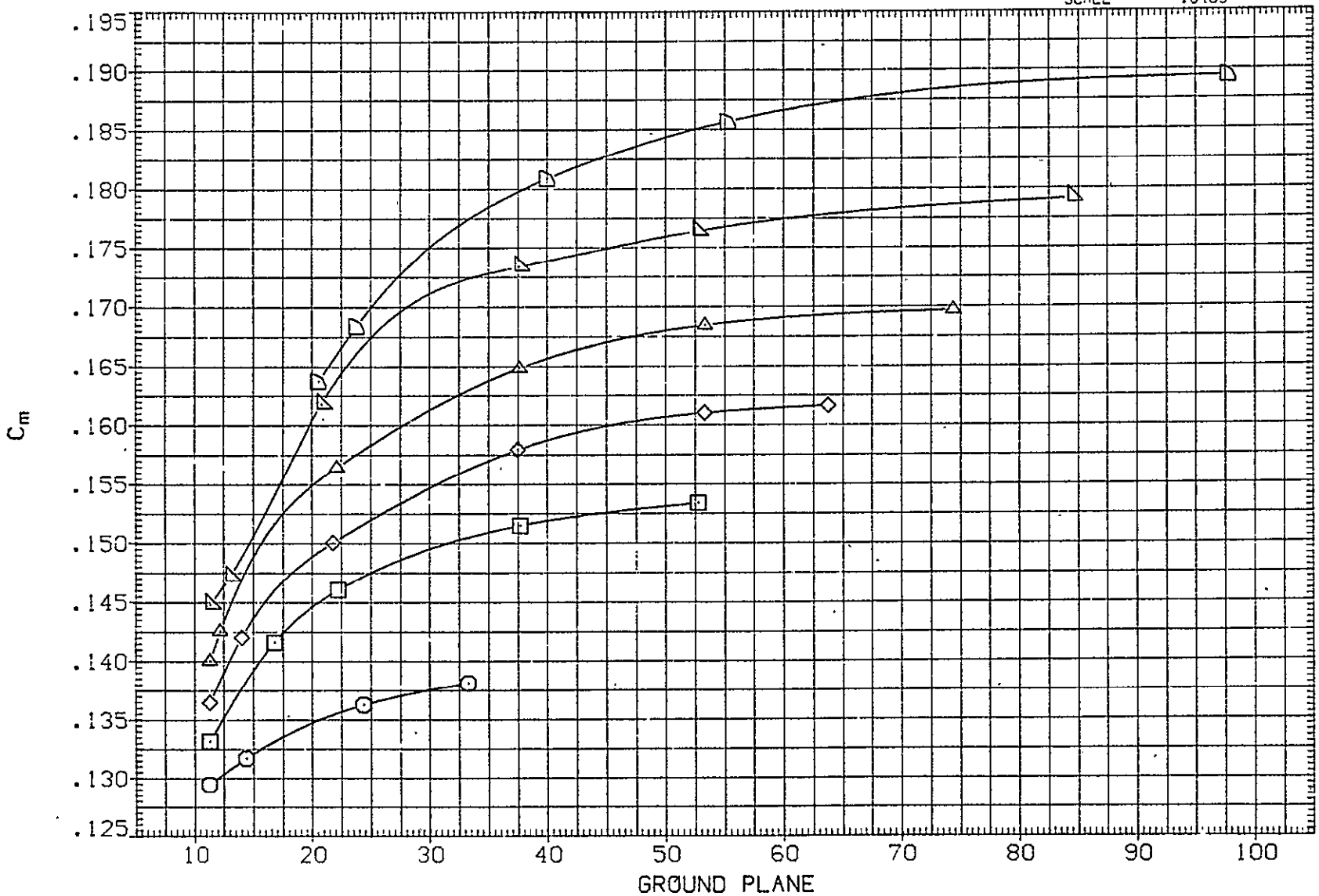

FIG 301 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC ON
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF309)	○	(CA-8) K3.1TS7	F10TS402G5.3.5	.211	8.000	.000	-5.000
(TJF310)	□	(CA-8) K3.1TS7	F10TS402G5.3.5	4.011	8.000	.000	-5.000
(TJF311)	◇	(CA-8) K3.1TS7	F10TS402G5.3.5	6.211	8.000	.000	-5.000
(TJF312)	△	(CA-8) K3.1TS7	F10TS402G5.3.5	8.089	8.000	.000	-5.000
(TJF313)	◁	(CA-8) K3.1TS7	F10TS402G5.3.5	10.137	8.000	.000	-5.000
(TJF314)	▷	(CA-8) K3.1TS7	F10TS402G5.3.5	12.208	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

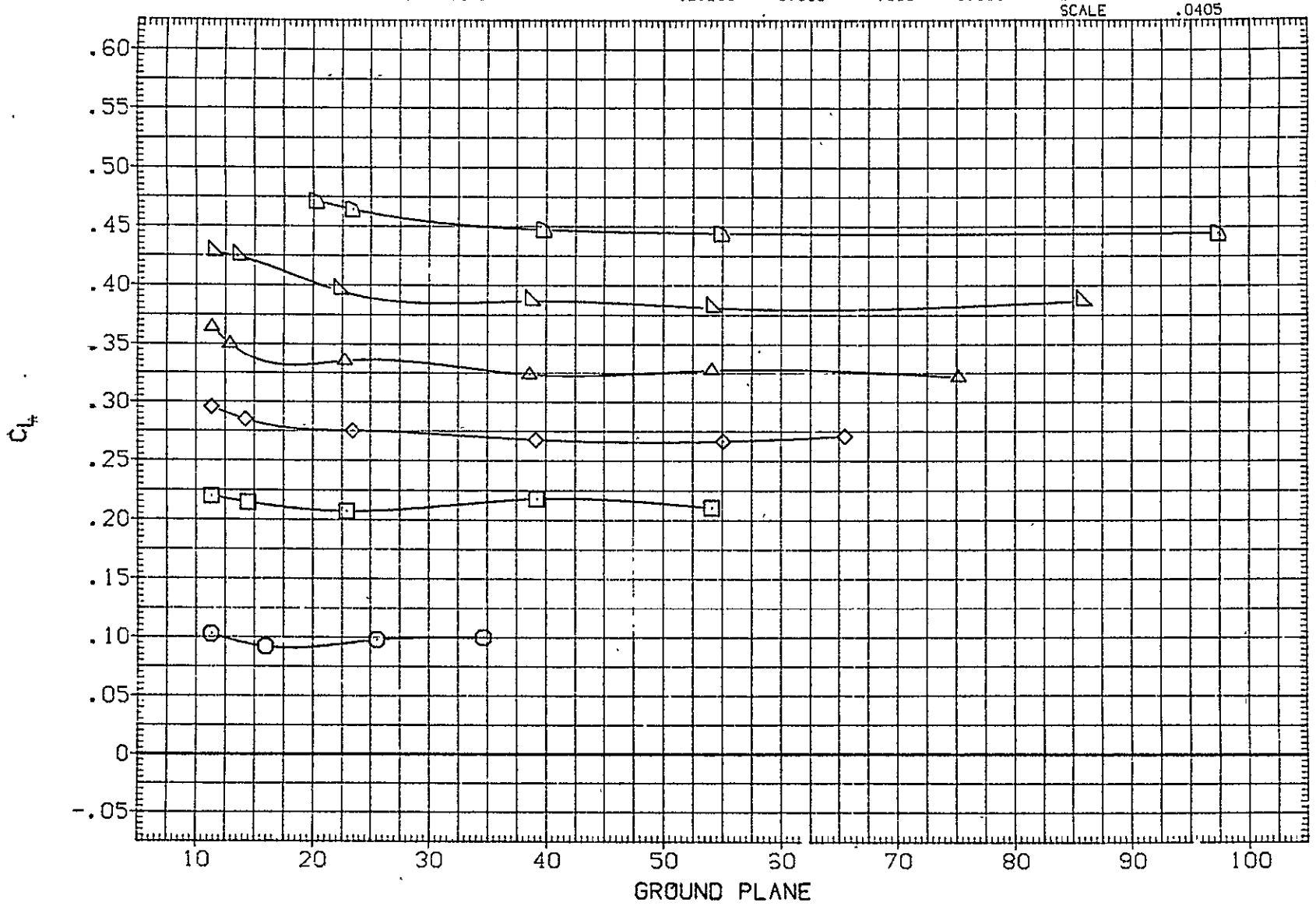

FIG 302 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

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ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BOFLAP	ELEVON
(TJF309)	○	(CA-8) K3.1TS7	F10TS402G5.3.5	.211	8.000	.000	-5.000
(TJF310)	□	(CA-8) K3.1TS7	F10TS402G5.3.5	4.011	8.000	.000	-5.000
(TJF311)	◇	(CA-8) K3.1TS7	F10TS402G5.3.5	6.211	8.000	.000	-5.000
(TJF312)	△	(CA-8) K3.1TS7	F10TS402G5.3.5	8.089	8.000	.000	-5.000
(TJF313)	◸	(CA-8) K3.1TS7	F10TS402G5.3.5	10.137	8.000	.000	-5.000
(TJF314)	▷	(CA-8) K3.1TS7	F10TS402G5.3.5	12.208	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

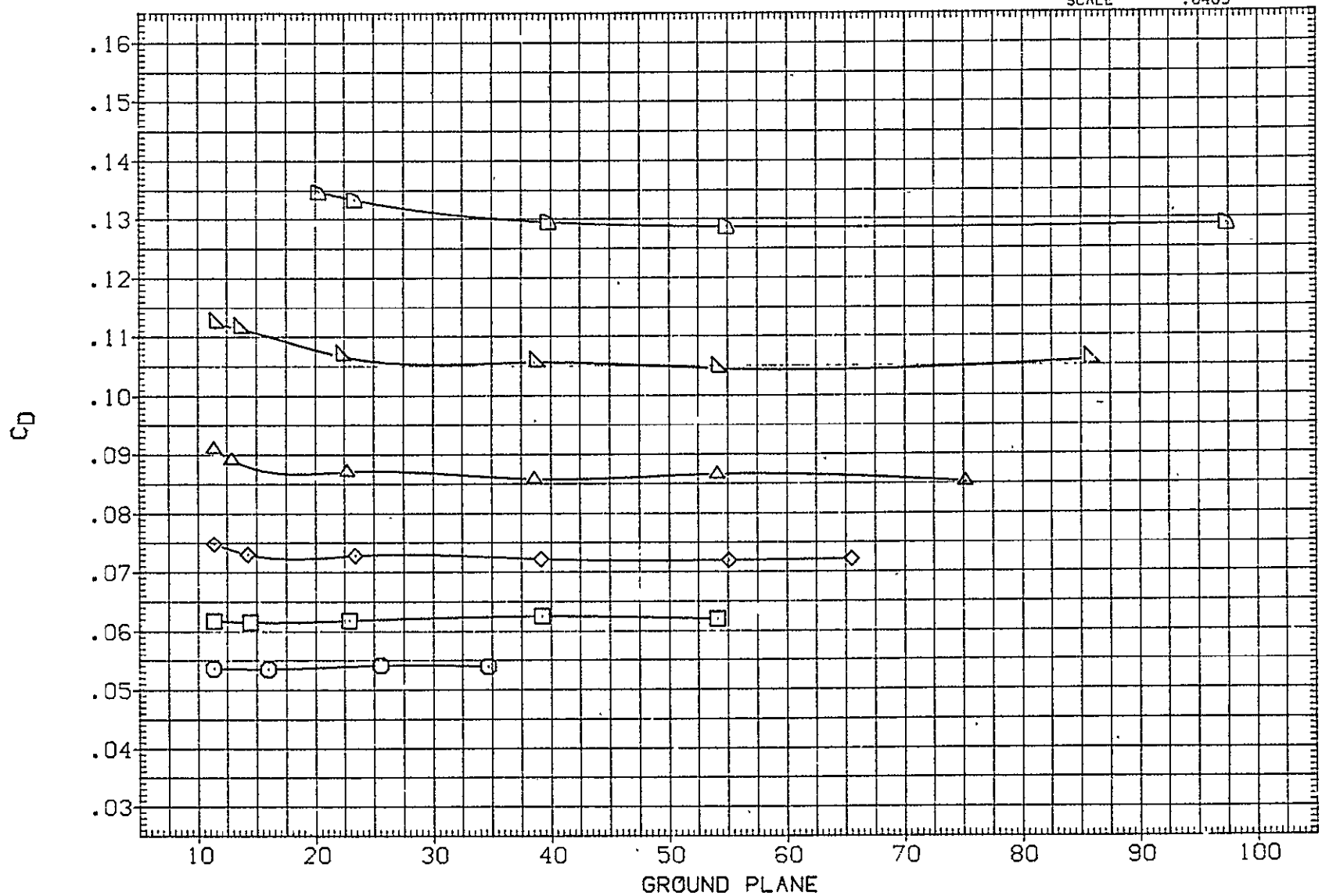

FIG 302 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF309)	○	(CA-8) K3.1TS7	F10TS402G5.3.5	.211	8.000	.000	-5.000
(TJF310)	□	(CA-8) K3.1TS7	F10TS402G5.3.5	4.011	8.000	.000	-5.000
(TJF311)	◇	(CA-8) K3.1TS7	F10TS402G5.3.5	6.211	8.000	.000	-5.000
(TJF312)	△	(CA-8) K3.1TS7	F10TS402G5.3.5	8.089	8.000	.000	-5.000
(TJF313)	▽	(CA-8) K3.1TS7	F10TS402G5.3.5	10.137	8.000	.000	-5.000
(TJF314)	▷	(CA-8) K3.1TS7	F10TS402G5.3.5	12.208	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

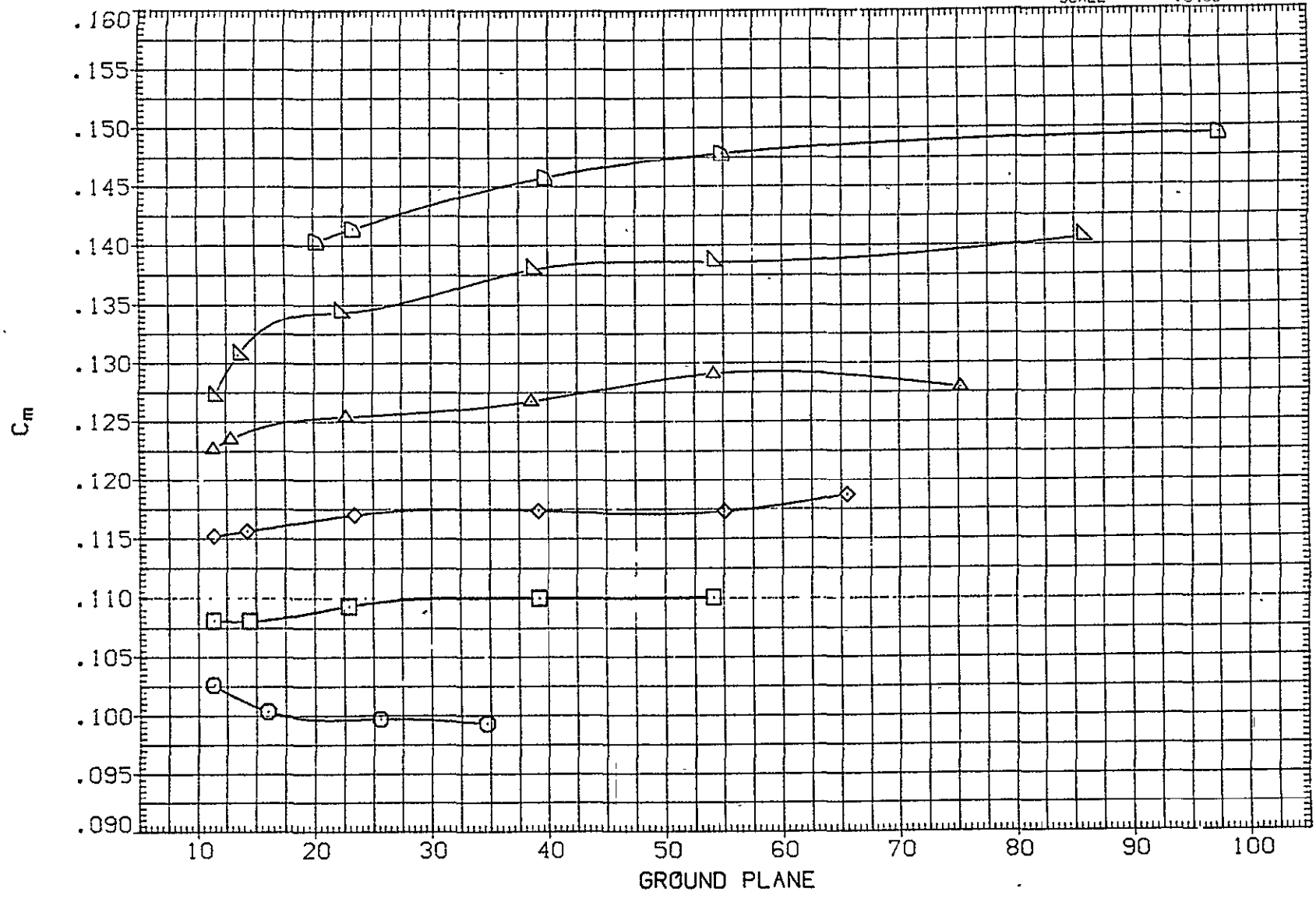

FIG 302 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.195	8.000	.000	-5.000
(TJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.963	8.000	.000	-5.000
(TJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.133	8.000	.000	-5.000
(TJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.150	8.000	.000	-5.000
(TJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.074	8.000	.000	-5.000
(TJF332)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

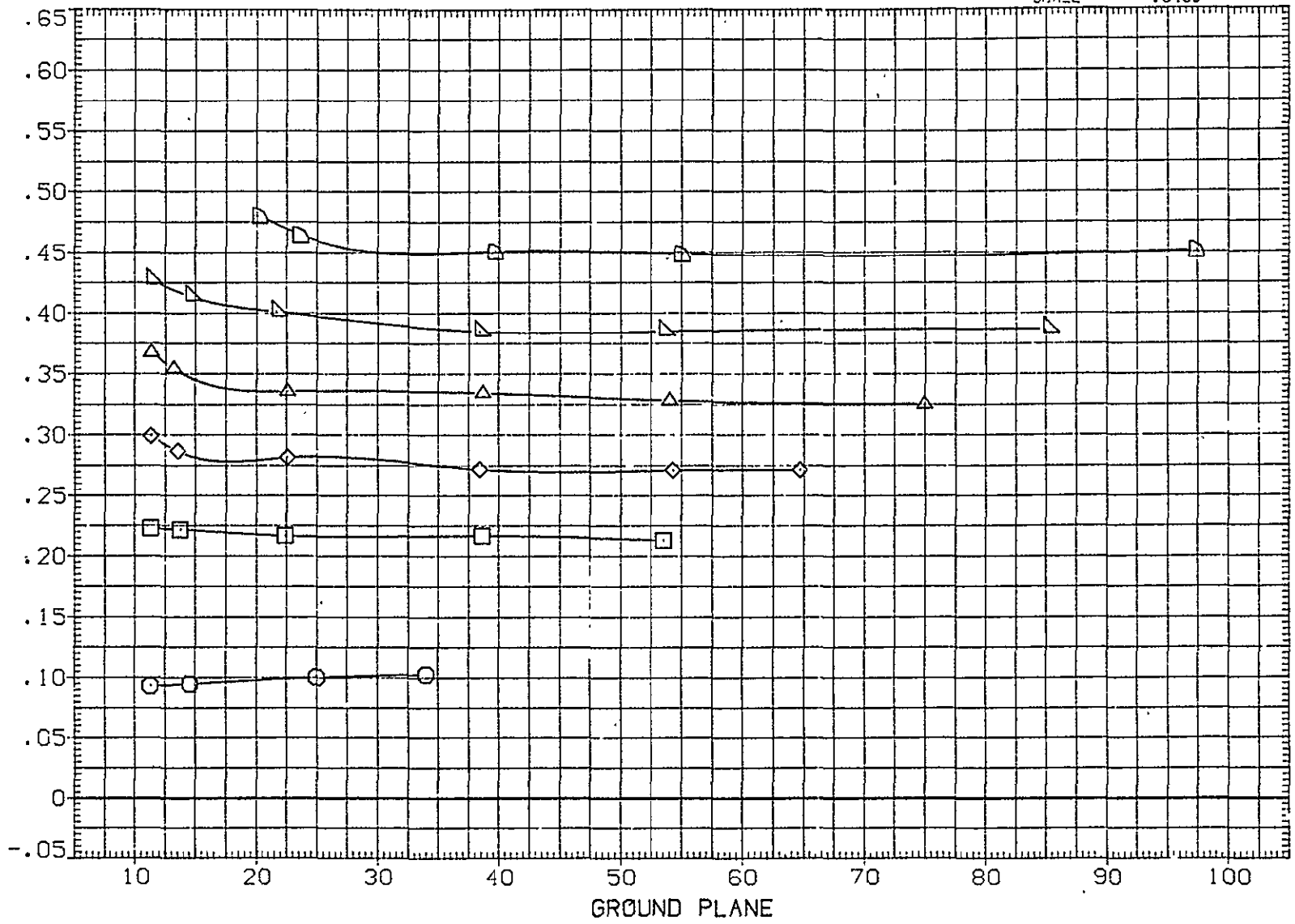

FIG 303 ALT CONFIG IN GROUND PROXIMITY. STAB = 4. FLAPS 10. IORB=8. TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	I0RB	B0FLAP	ELEVON
(TJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	.195	8.000	.000	-5.000
(TJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	3.963	8.000	.000	-5.000
(TJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	6.133	8.000	.000	-5.000
(TJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	8.150	8.000	.000	-5.000
(TJF331)	▽	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	10.074	8.000	.000	-5.000
(TJF332)	▷	(CA-8) K3.1TS7H15.6.1F10TS40265.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

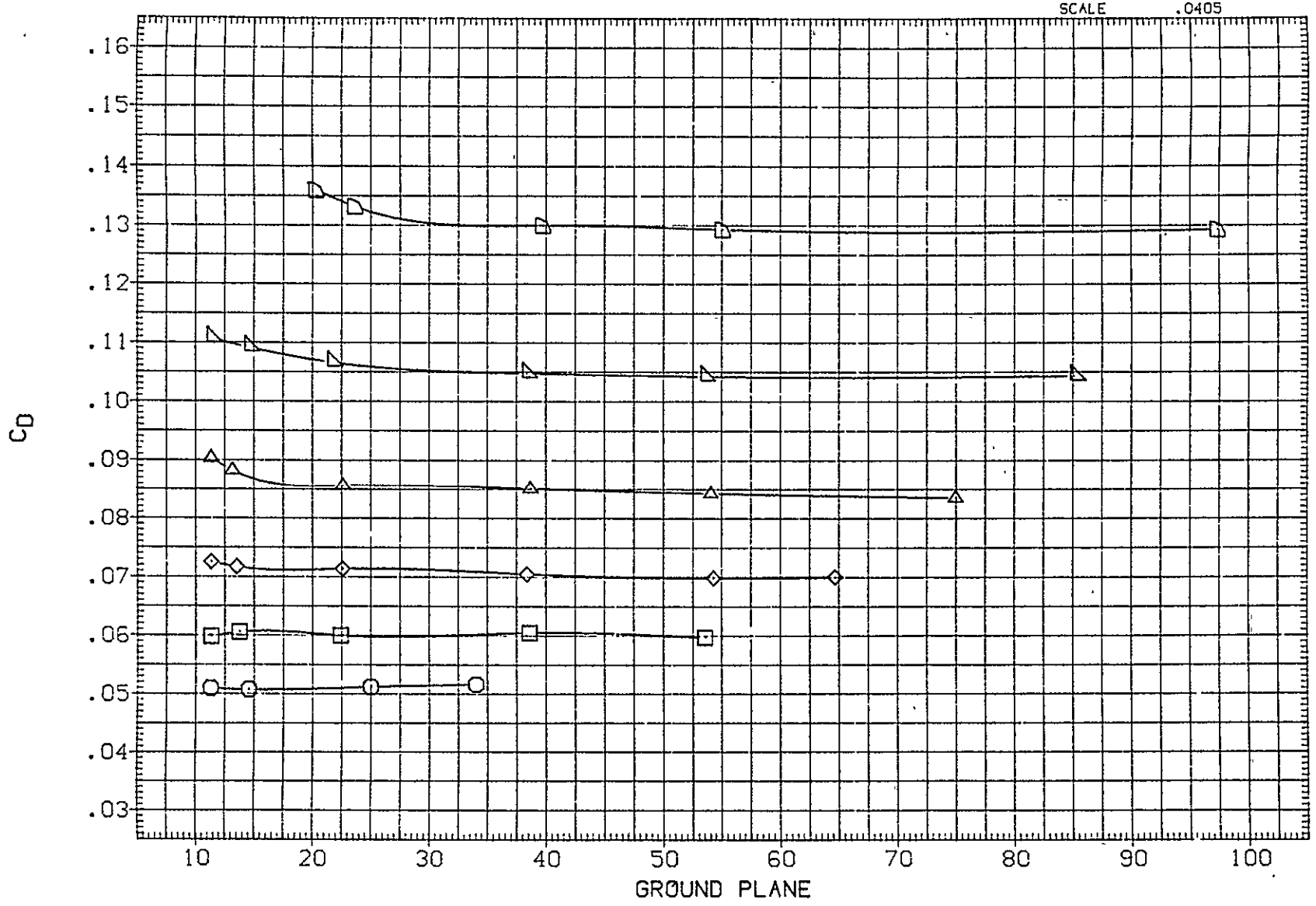

FIG 303 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, I0RB=8, TC 0FF
0RBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF327)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.195	8.000	.000	-5.000
(TJF328)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	3.963	8.000	.000	-5.000
(TJF329)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.133	8.000	.000	-5.000
(TJF330)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.150	8.000	.000	-5.000
(TJF331)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.074	8.000	.000	-5.000
(TJF332)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

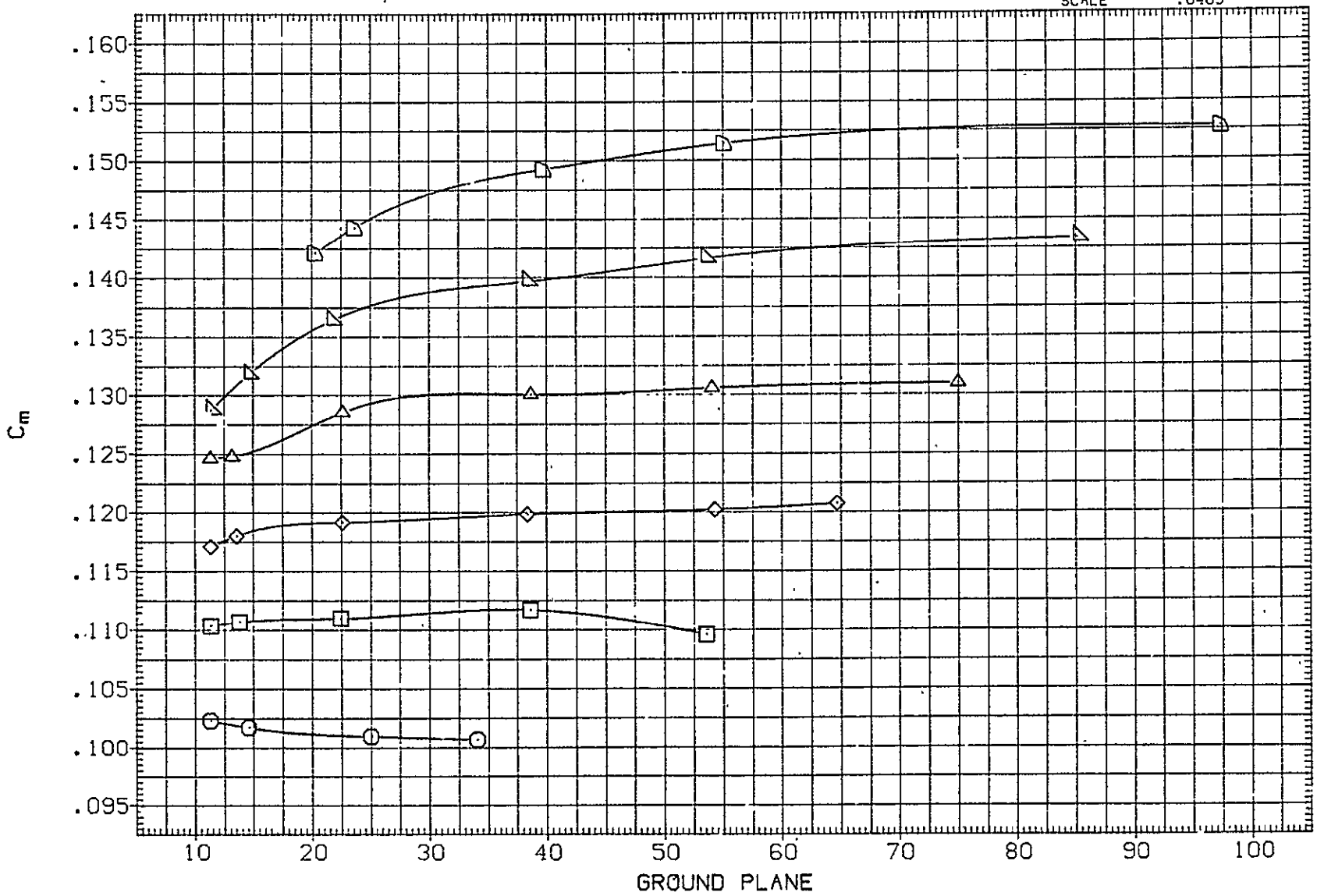

FIG 303 ALT CONFIG IN GROUND PROXIMITY, STAB = 4, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF323)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF324)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF325)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF326)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.178	8.000	.000	-5.000
4.024	8.000	.000	-5.000
6.135	8.000	.000	-5.000
8.152	8.000	.000	-5.000
10.053	8.000	.000	-5.000
12.123	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XC
YMRP	.0000	IN.YC
ZMRP	375.0000	IN.ZC
SCALE	.0405	

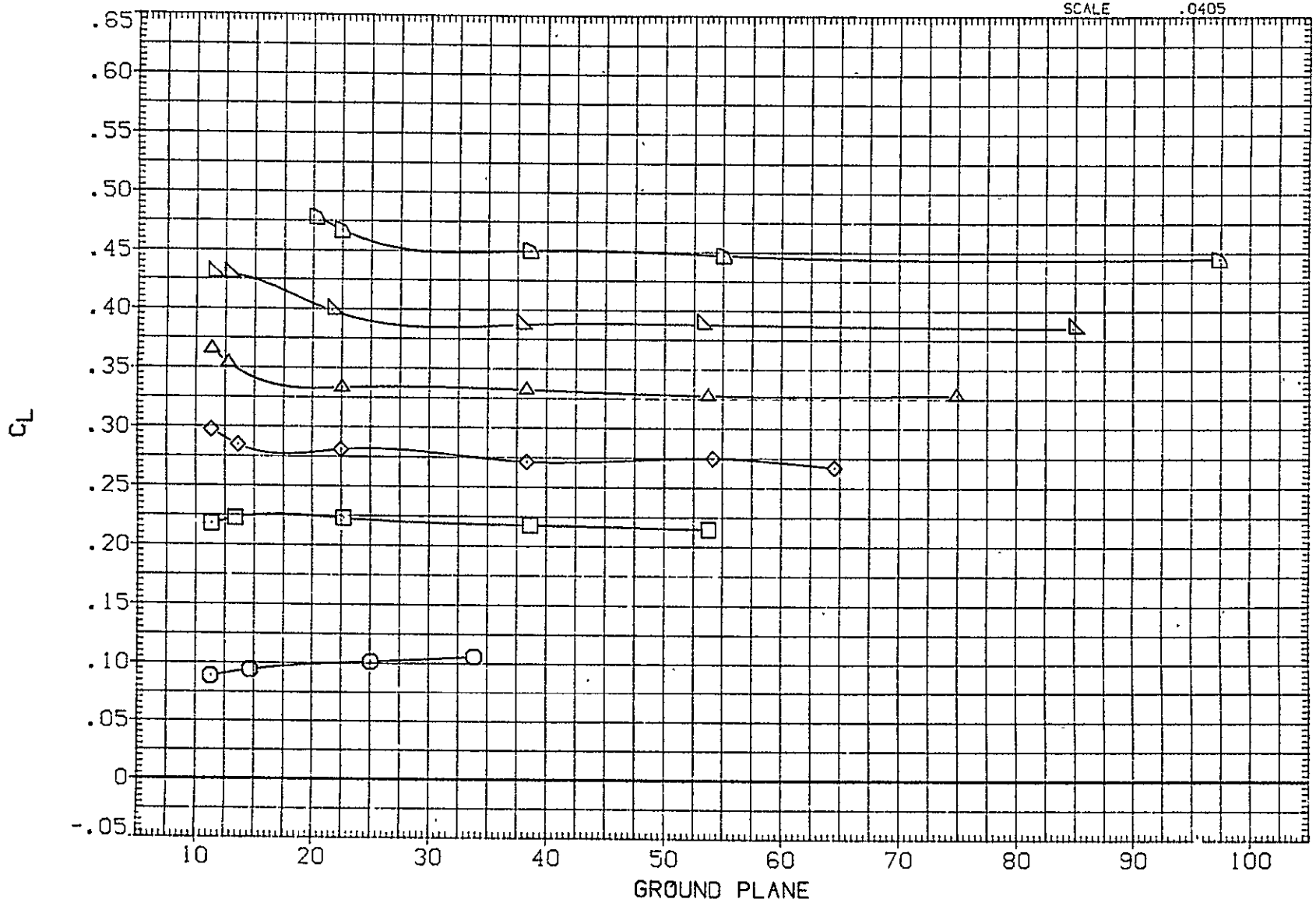

FIG 304 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.178	8.000	.000	-5.000
(TJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.024	8.000	.000	-5.000
(TJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.135	8.000	.000	-5.000
(TJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.152	8.000	.000	-5.000
(TJF325)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.053	8.000	.000	-5.000
(TJF326)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

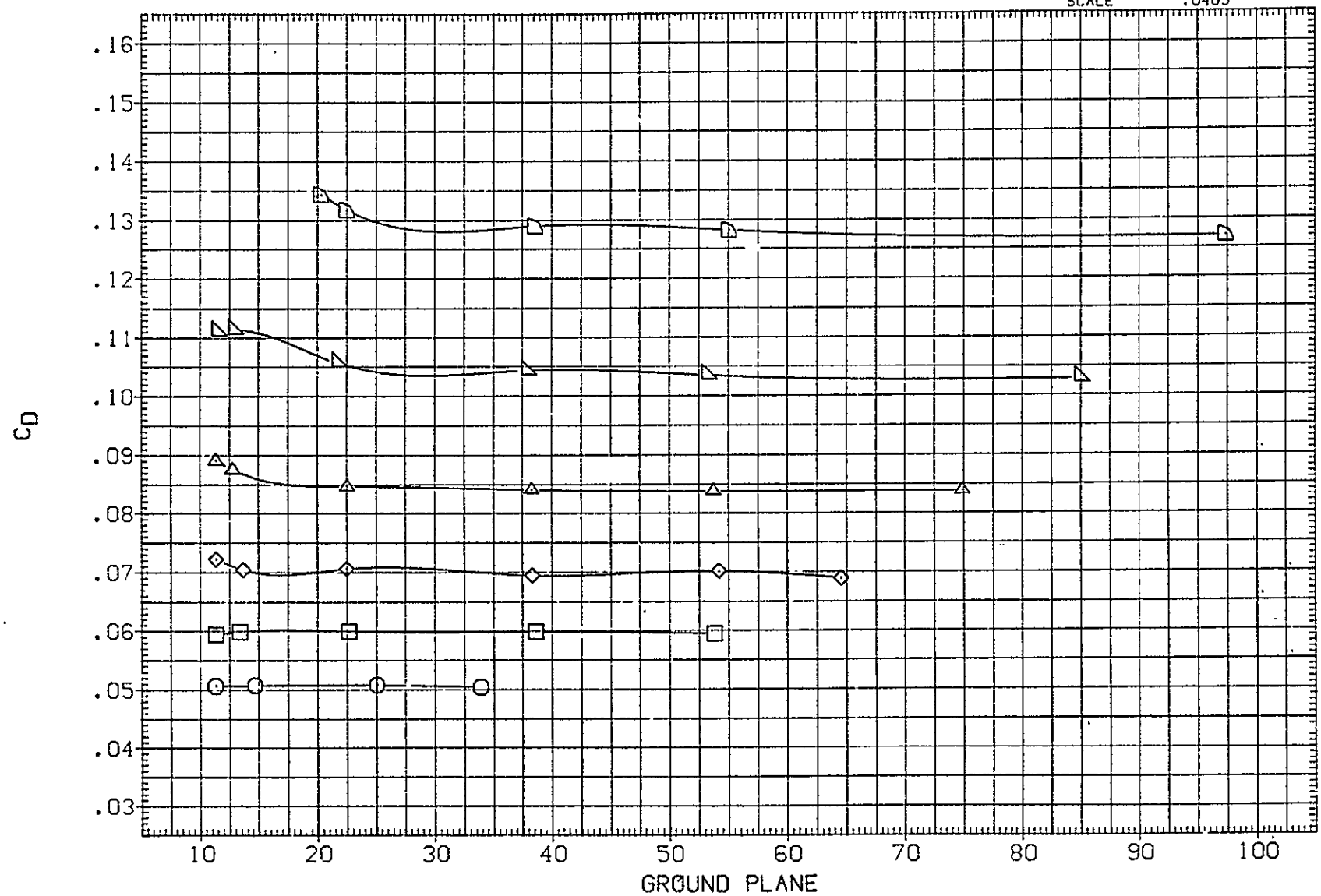

FIG 304 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF321)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.178	8.000	.000	-5.000
(TJF322)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.024	8.000	.000	-5.000
(TJF323)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.135	8.000	.000	-5.000
(TJF324)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.152	8.000	.000	-5.000
(TJF325)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.053	8.000	.000	-5.000
(TJF326)	⬠	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.123	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

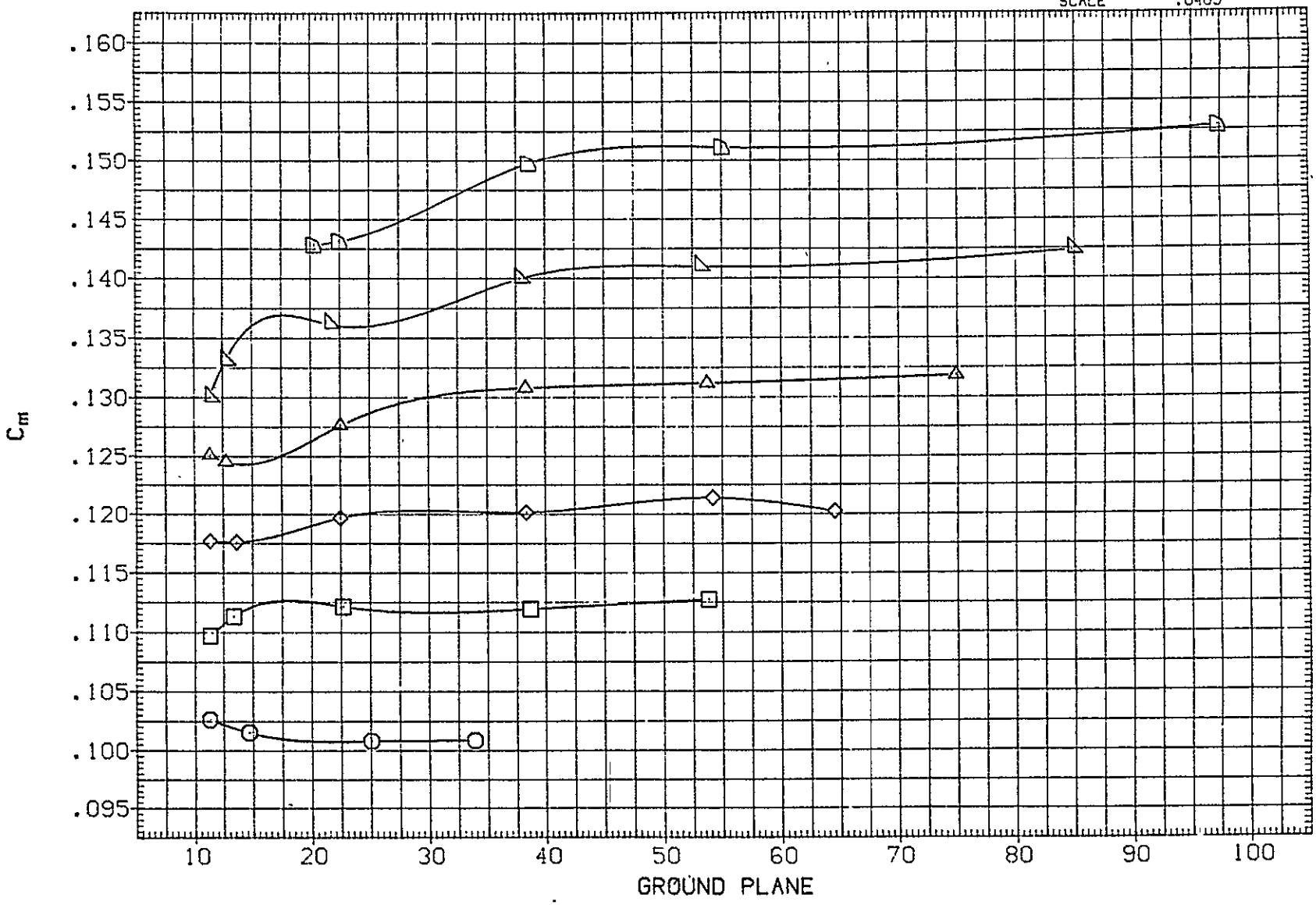

FIG 304 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.206	8.000	.000	-5.000
(TJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.136	8.000	.000	-5.000
(TJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.112	8.000	.000	-5.000
(TJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.230	8.000	.000	-5.000
(TJF319)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.085	8.000	.000	-5.000
(TJF320)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.133	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

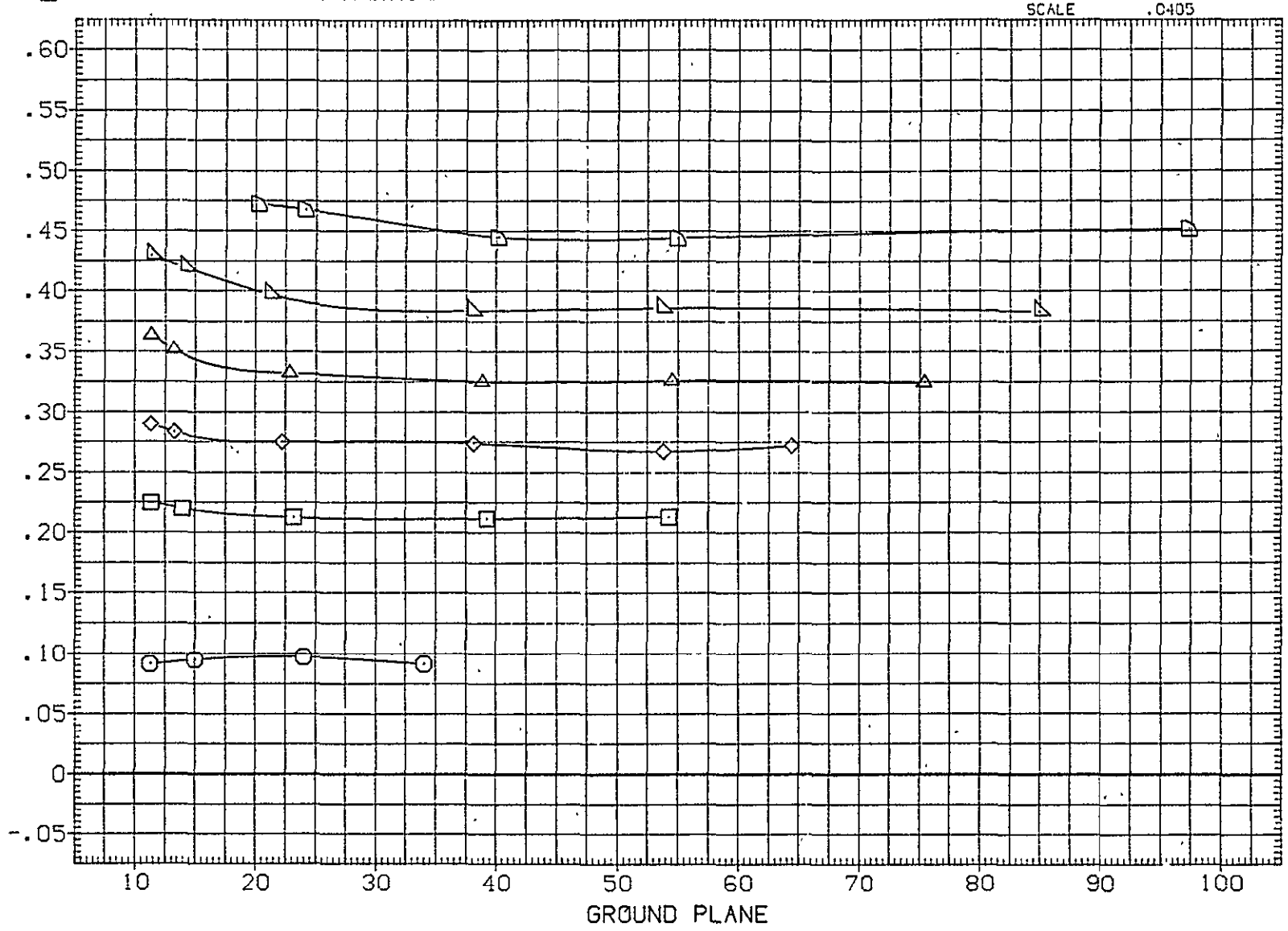

FIG 305 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF320)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.206	8.000	.000	-5.000
4.136	8.000	.000	-5.000
6.112	8.000	.000	-5.000
8.230	8.000	.000	-5.000
10.085	8.000	.000	-5.000
12.133	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMPP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

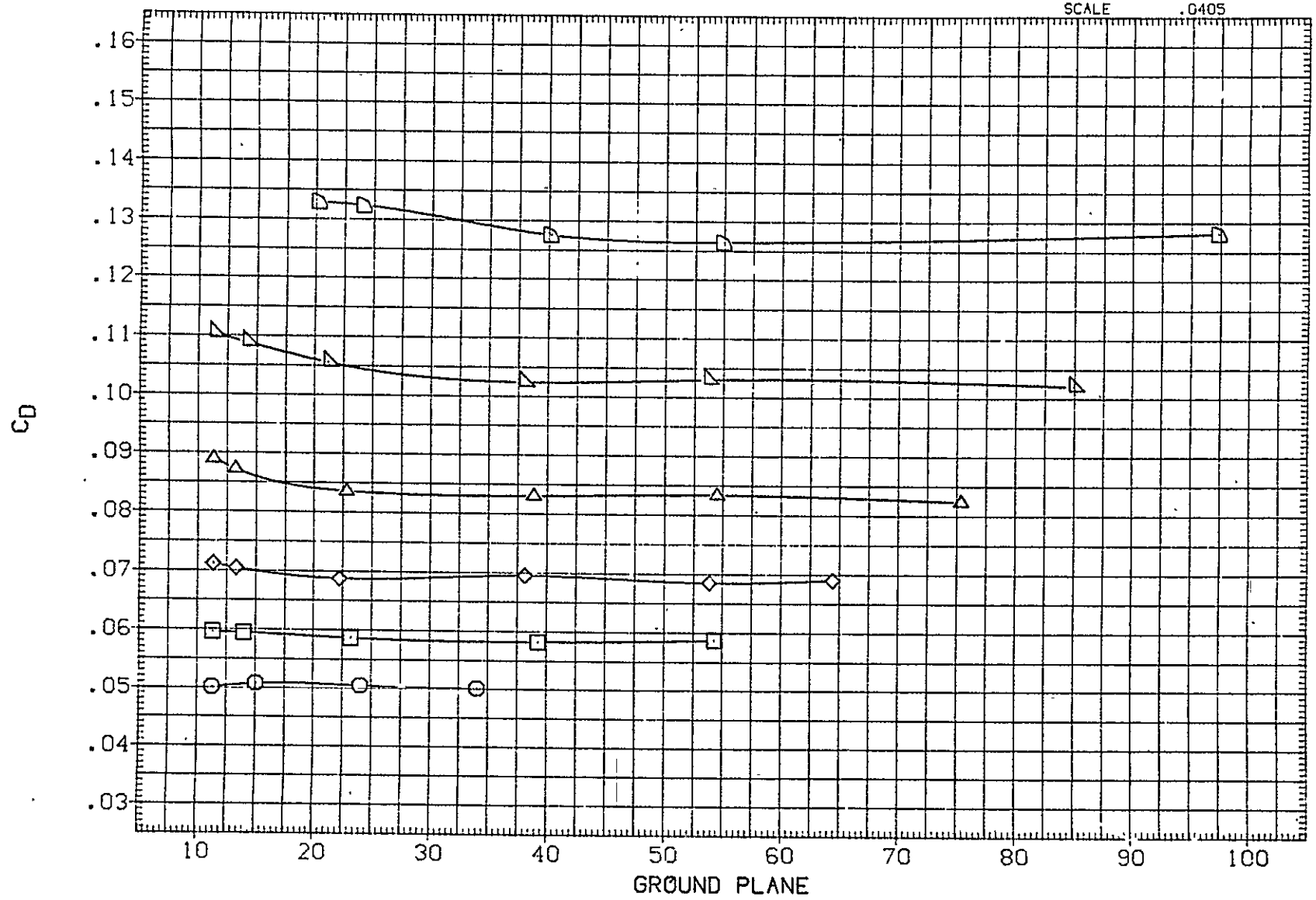

FIG 305 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF315)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.206	8.000	.000	-5.000
(TJF316)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.136	8.000	.000	-5.000
(TJF317)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.112	8.000	.000	-5.000
(TJF318)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.230	8.000	.000	-5.000
(TJF319)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.085	8.000	.000	-5.000
(TJF320)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.133	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

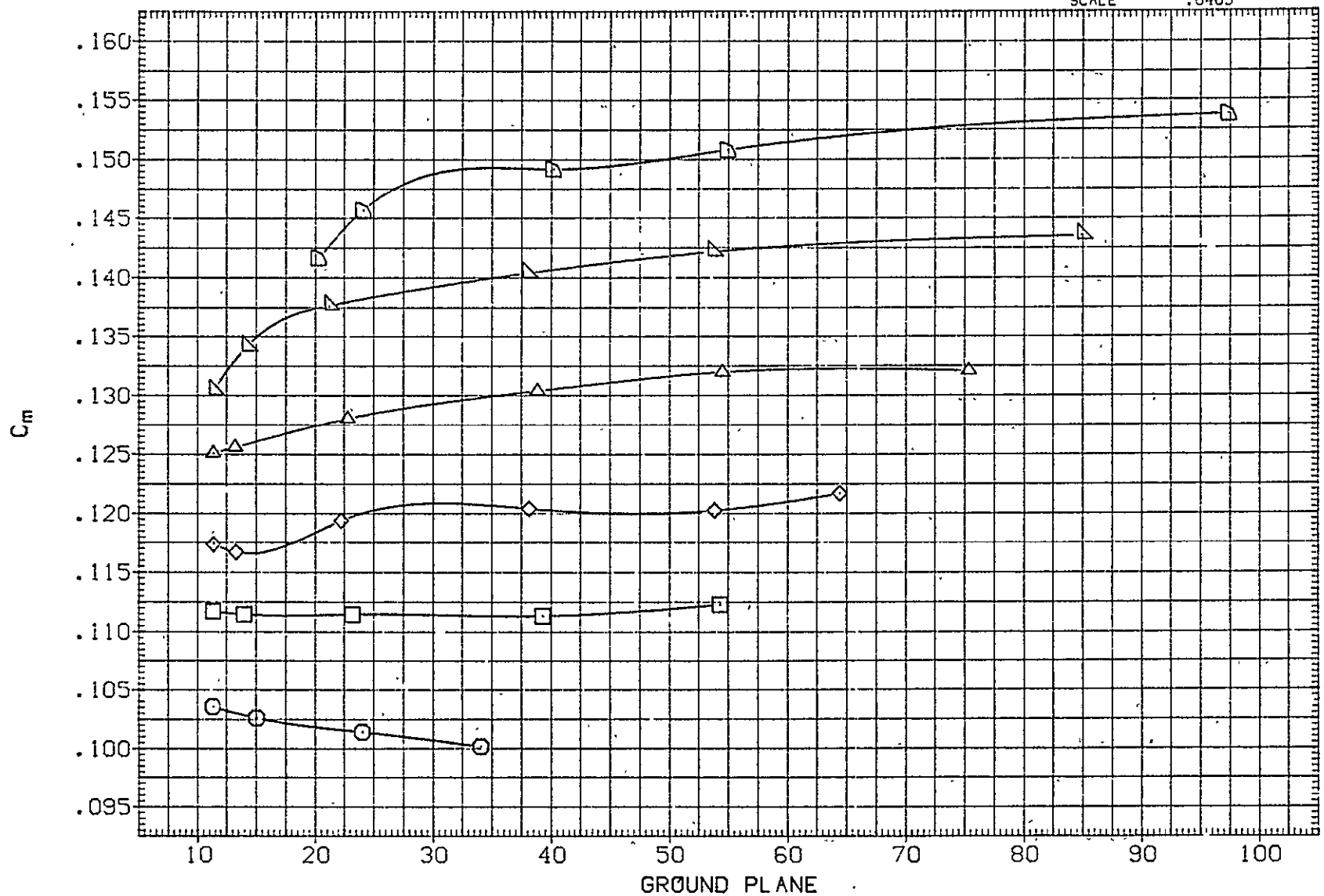

FIG 305 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 10, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF306)	△	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5
(TJF308)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.255	8.000	.000	-5.000
4.075	8.000	.000	-5.000
6.060	8.000	.000	-5.000
8.107	8.000	.000	-5.000
10.128	8.000	.000	-5.000
12.145	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

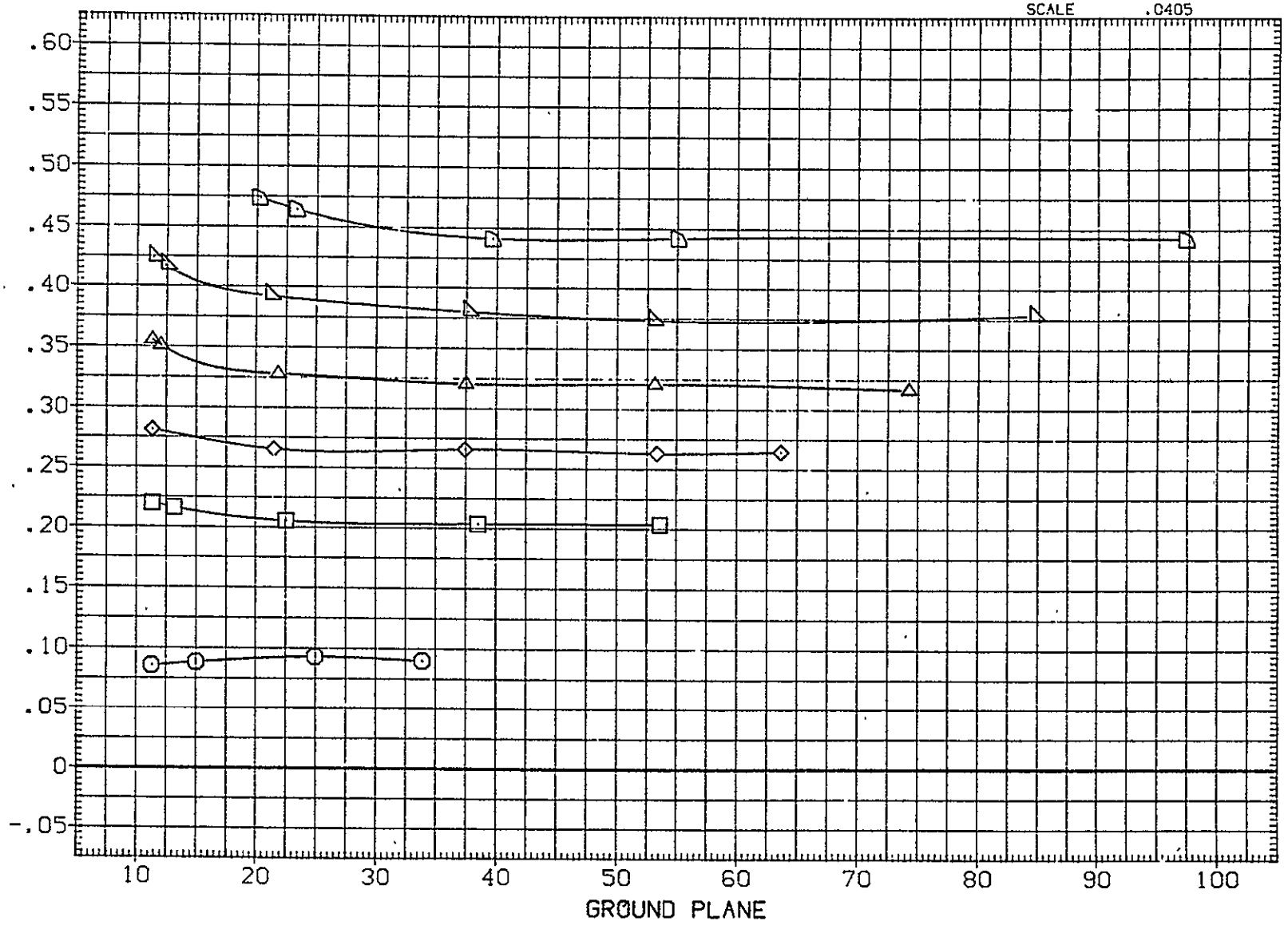

FIG 306 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF303)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.255	8.000	.000	-5.000
(TJF304)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.075	8.000	.000	-5.000
(TJF305)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.060	8.000	.000	-5.000
(TJF306)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.107	8.000	.000	-5.000
(TJF307)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.128	8.000	.000	-5.000
(TJF308)		(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.145	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMPP	375.0000	IN. ZO
SCALE	.0405	

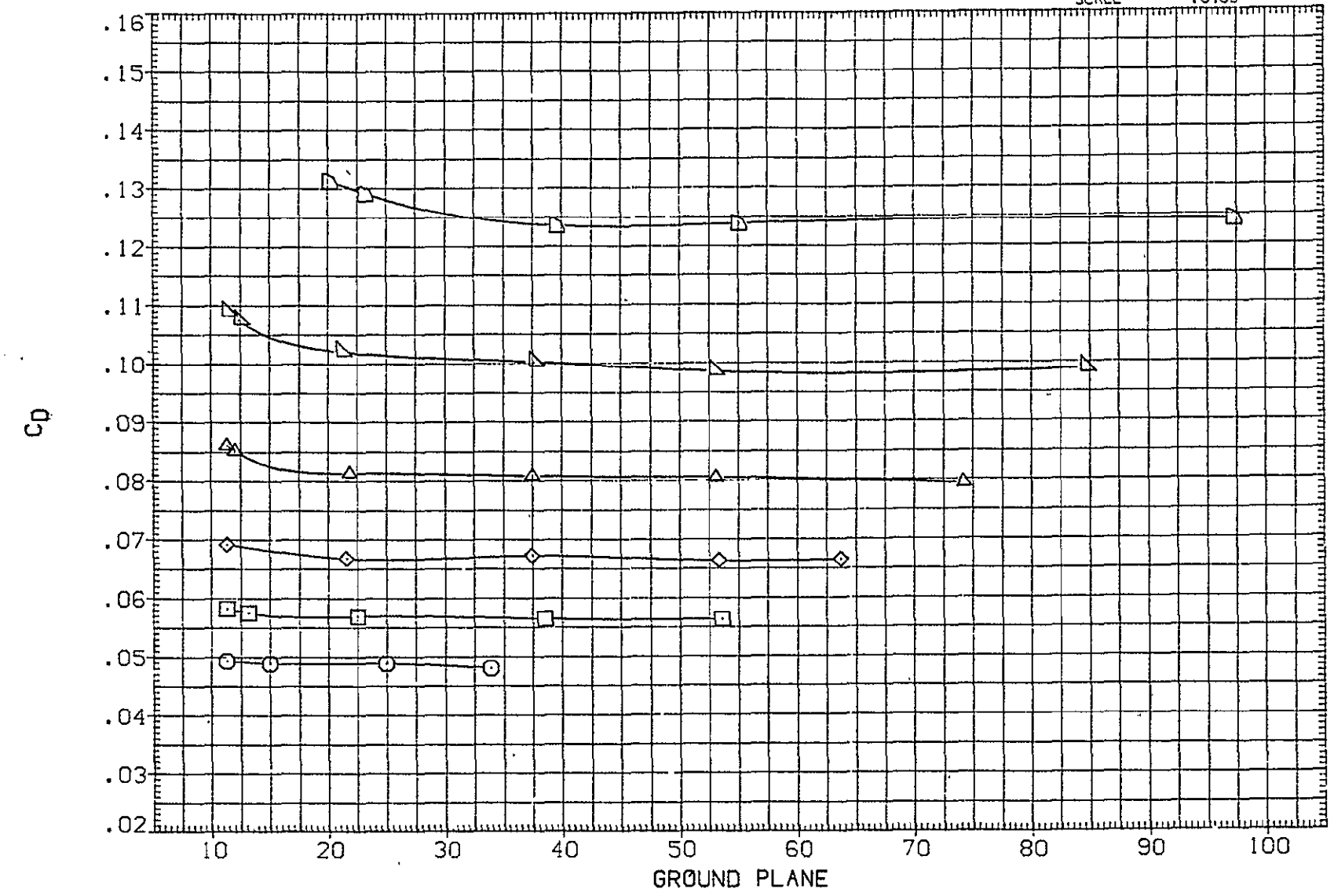

FIG 306 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF303)	○	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	.255	8.000	.000	-5.000
(TJF304)	□	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	4.075	8.000	.000	-5.000
(TJF305)	◇	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	6.060	8.000	.000	-5.000
(TJF306)	◁	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	8.107	8.000	.000	-5.000
(TJF307)	▽	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	10.128	8.000	.000	-5.000
(TJF308)	▷	(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5	12.145	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

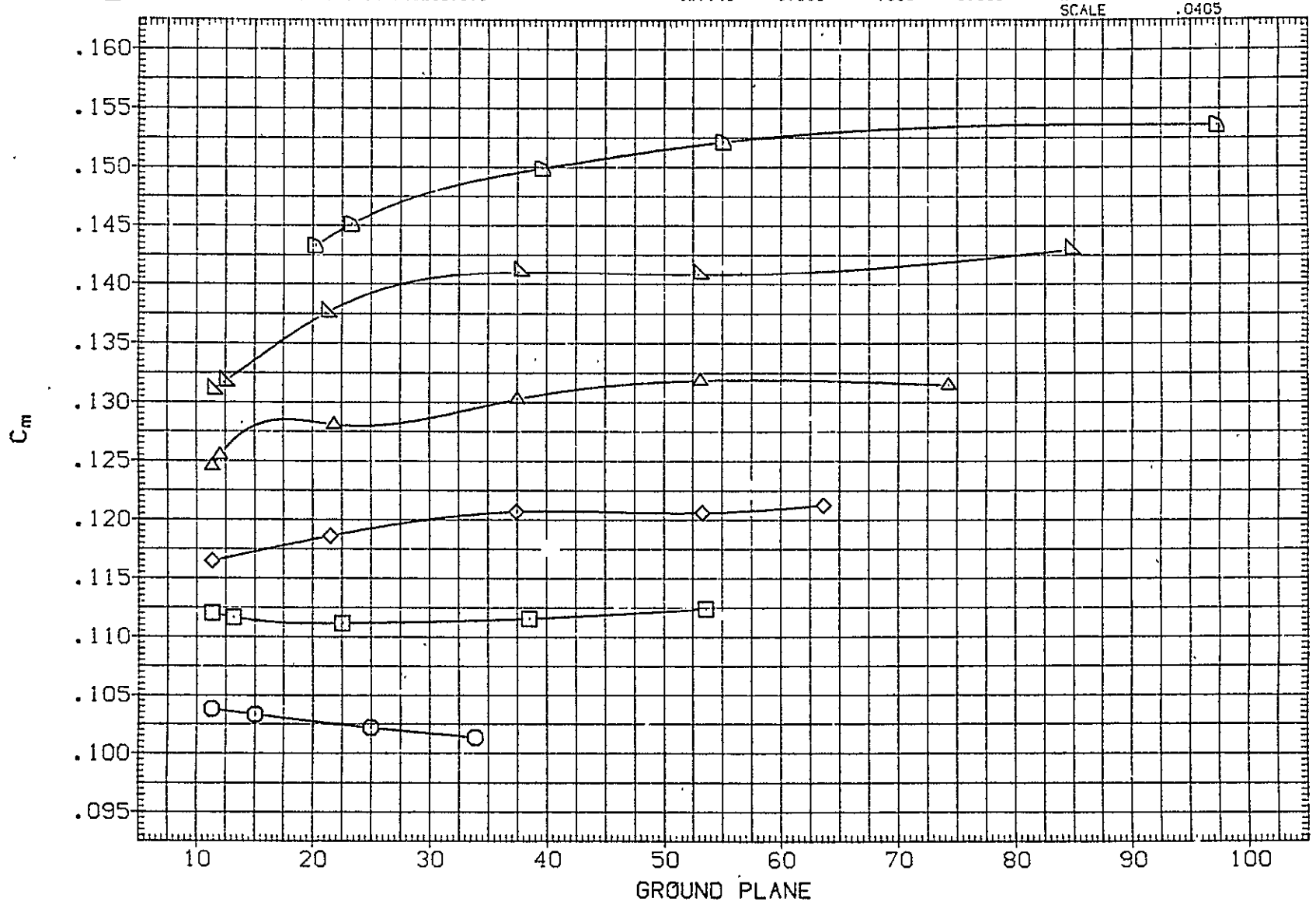

FIG 306 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF247)	○	(CA-8) K3.1TS7	F30TS402G5.3.5	.185	8.000	.000	-5.000
(TJF248)	□	(CA-8) K3.1TS7	F30TS402G5.3.5	4.176	8.000	.000	-5.000
(TJF249)	◇	(CA-8) K3.1TS7	F30TS402G5.3.5	6.162	8.000	.000	-5.000
(TJF250)	△	(CA-8) K3.1TS7	F30TS402G5.3.5	8.199	8.000	.000	-5.000
(TJF251)	▽	(CA-8) K3.1TS7	F30TS402G5.3.5	10.114	8.000	.000	-5.000
(TJF252)	▷	(CA-8) K3.1TS7	F30TS402G5.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

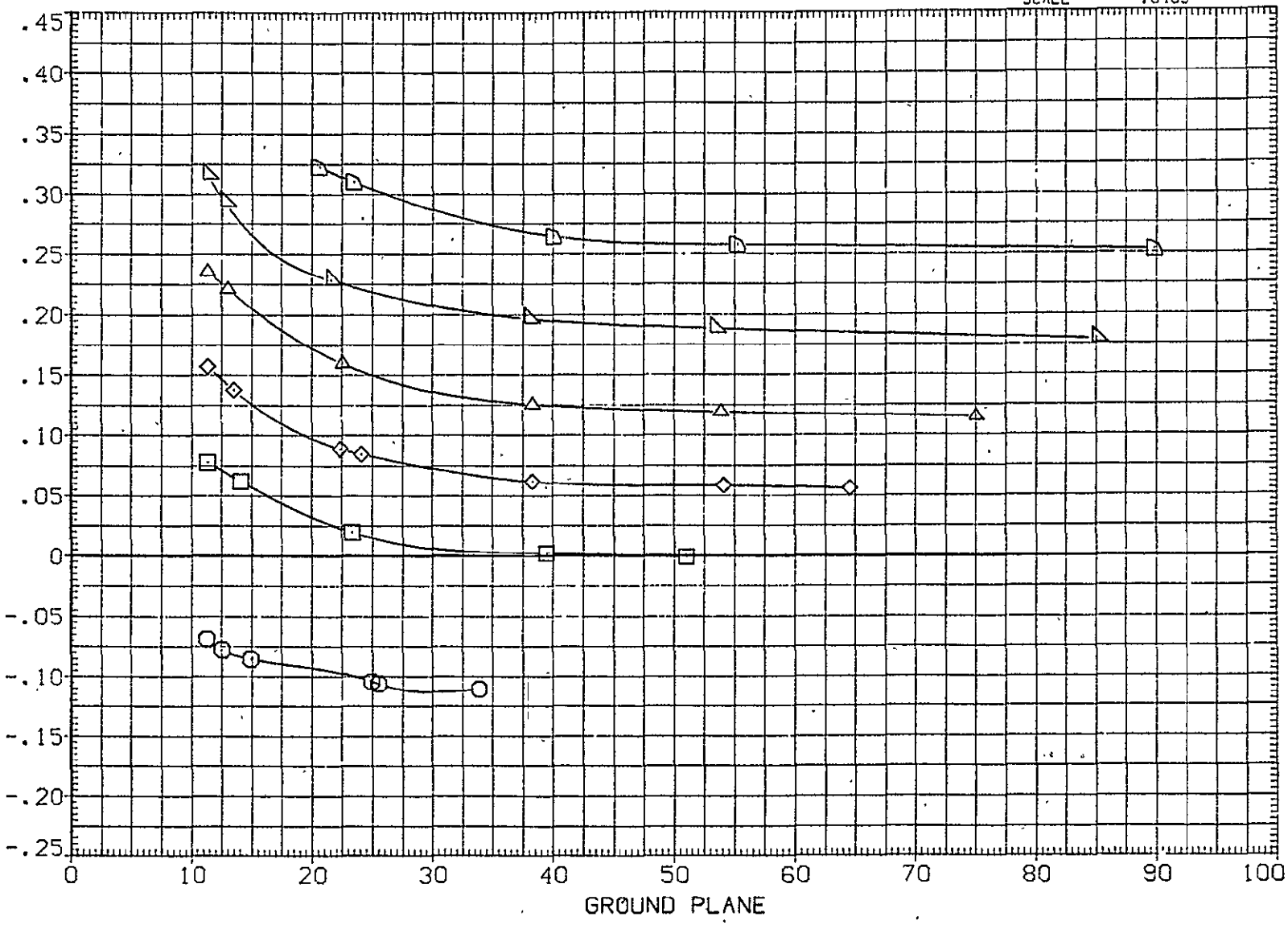

FIG 307 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA:	IORB	BDFLAP	ELEVON
(TJF247)	○	(CA-8) K3.1TS7	F30TS402G5.3.5	.185	8.000	.000	-5.000
(TJF248)	□	(CA-8) K3.1TS7	F30TS402G5.3.5	4.176	8.000	.000	-5.000
(TJF249)	◇	(CA-8) K3.1TS7	F30TS402G5.3.5	6.162	8.000	.000	-5.000
(TJF250)	△	(CA-8) K3.1TS7	F30TS402G5.3.5	8.199	8.000	.000	-5.000
(TJF251)	▷	(CA-8) K3.1TS7	F30TS402G5.3.5	10.114	8.000	.000	-5.000
(TJF252)	▷	(CA-8) K3.1TS7	F30TS402G5.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

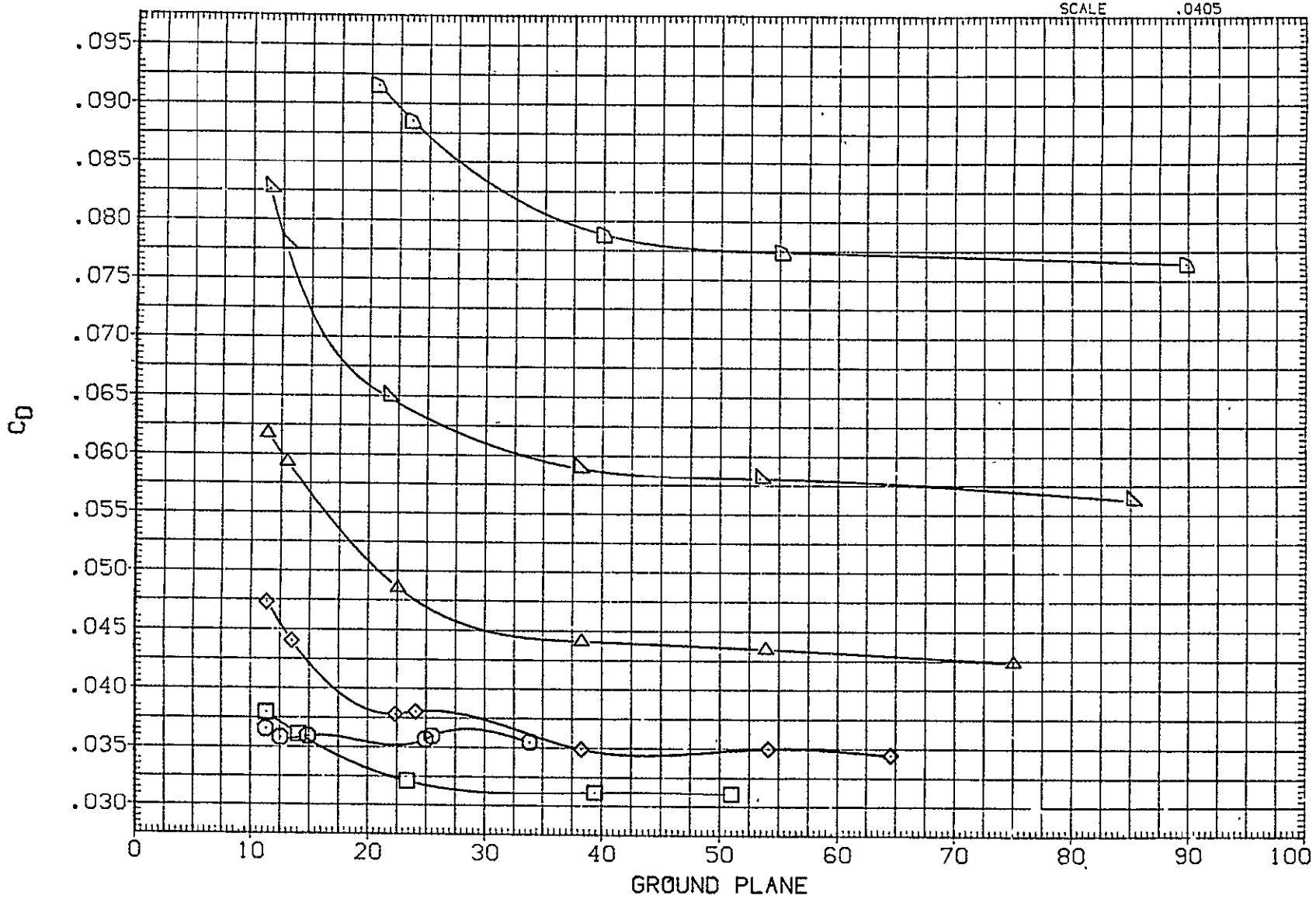

FIG 307 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHAW	IORB	BDFLAP	ELEVON
(TJF247)		(CA-8) K3.1TS7	F30TS40265.3.5	.185	8.000	.000	-5.000
(TJF248)		(CA-8) K3.1TS7	F30TS40265.3.5	4.176	8.000	.000	-5.000
(TJF249)		(CA-8) K3.1TS7	F30TS40265.3.5	6.162	8.000	.000	-5.000
(TJF250)		(CA-8) K3.1TS7	F30TS40265.3.5	8.199	8.000	.000	-5.000
(TJF251)		(CA-8) K3.1TS7	F30TS40265.3.5	10.114	8.000	.000	-5.000
(TJF252)		(CA-8) K3.1TS7	F30TS40265.3.5	12.218	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

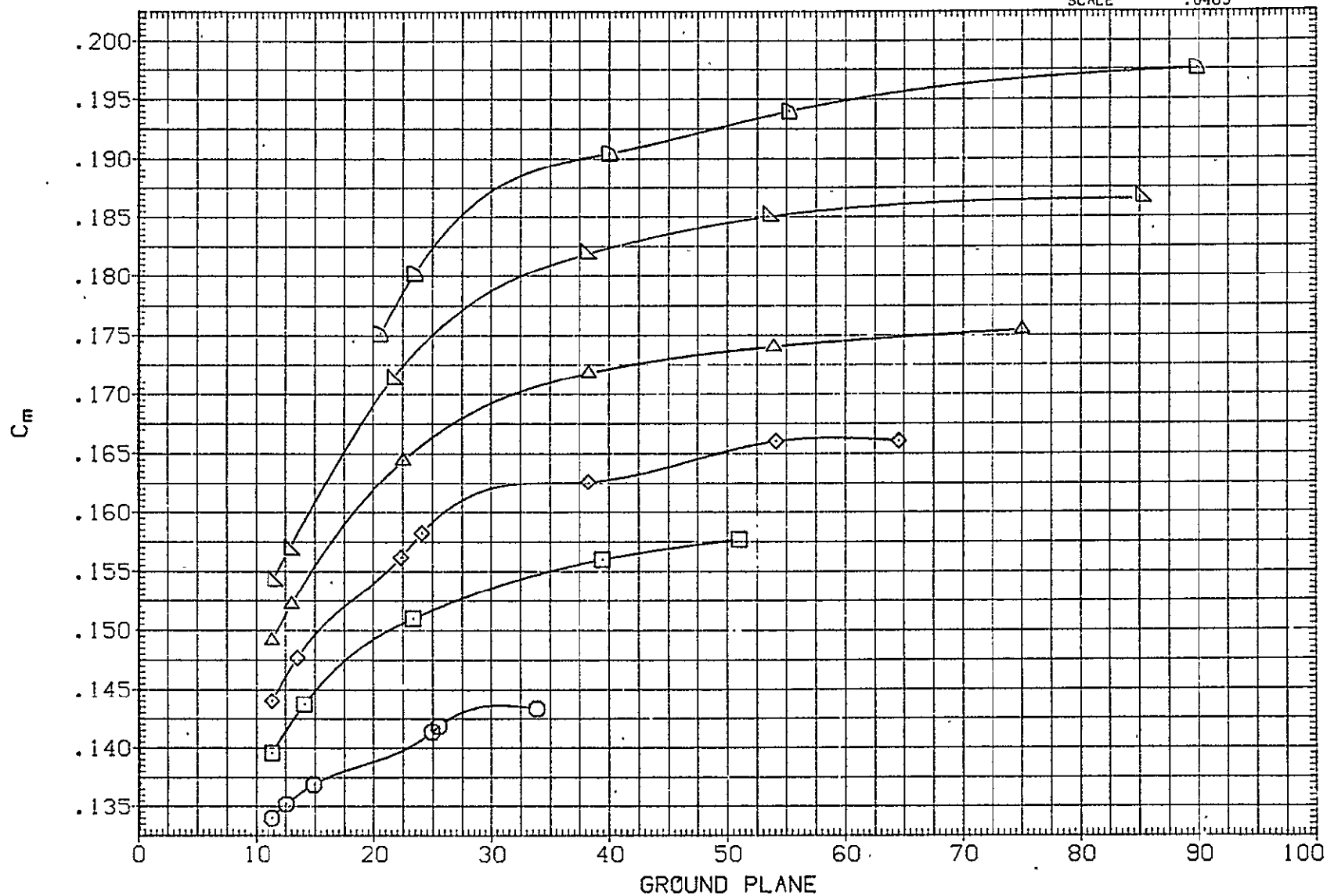

FIG 307 ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.182	8.000	.000	-5.000
(TJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.155	8.000	.000	-5.000
(TJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.113	8.000	.000	-5.000
(TJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.174	8.000	.000	-5.000
(TJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.184	8.000	.000	-5.000
(TJF258)	⬠	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.229	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XØ
YMRP	.0000	IN.YØ
ZMRP	375.0000	IN.ZØ
SCALE	.0405	

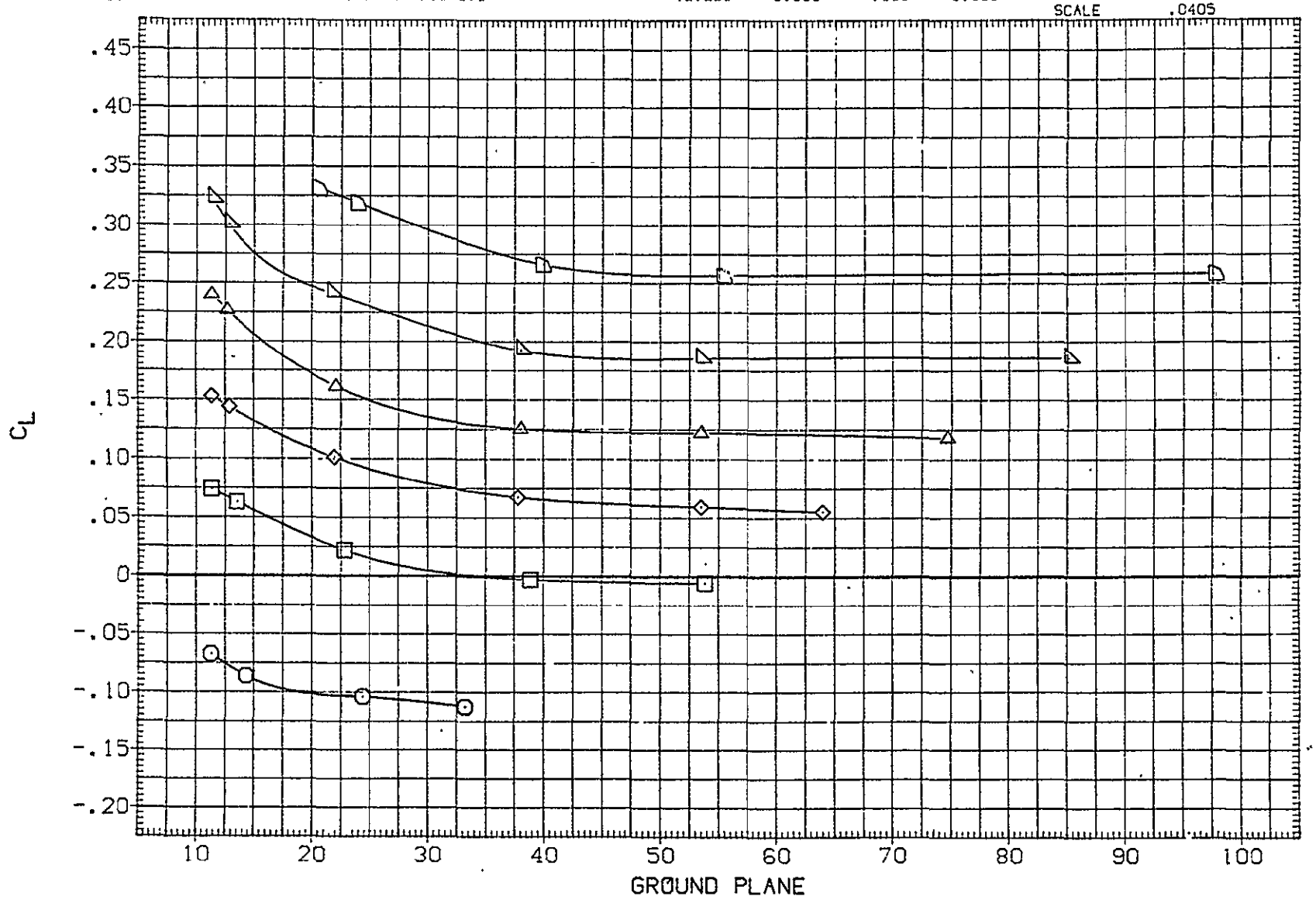

FIG 308 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.182	8.000	.000	-5.000
(TJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.155	8.000	.000	-5.000
(TJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.113	8.000	.000	-5.000
(TJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.174	8.000	.000	-5.000
(TJF257)	⊡	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.184	8.000	.000	-5.000
(TJF258)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.229	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BPEF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

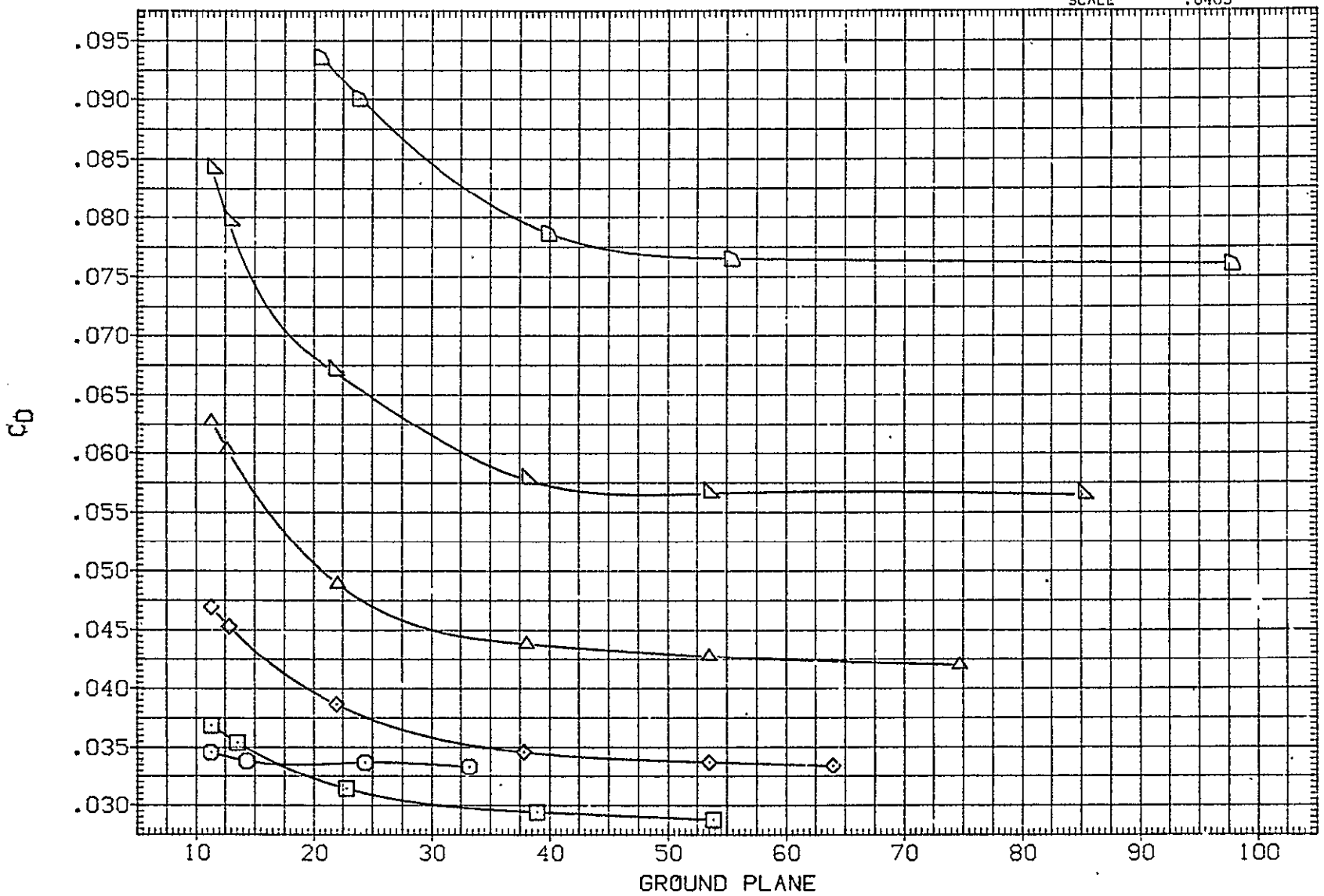

FIG 308 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF253)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.182	8.000	.000	-5.000
(TJF254)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.155	8.000	.000	-5.000
(TJF255)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.113	8.000	.000	-5.000
(TJF256)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.174	8.000	.000	-5.000
(TJF257)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.184	8.000	.000	-5.000
(TJF258)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.229	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

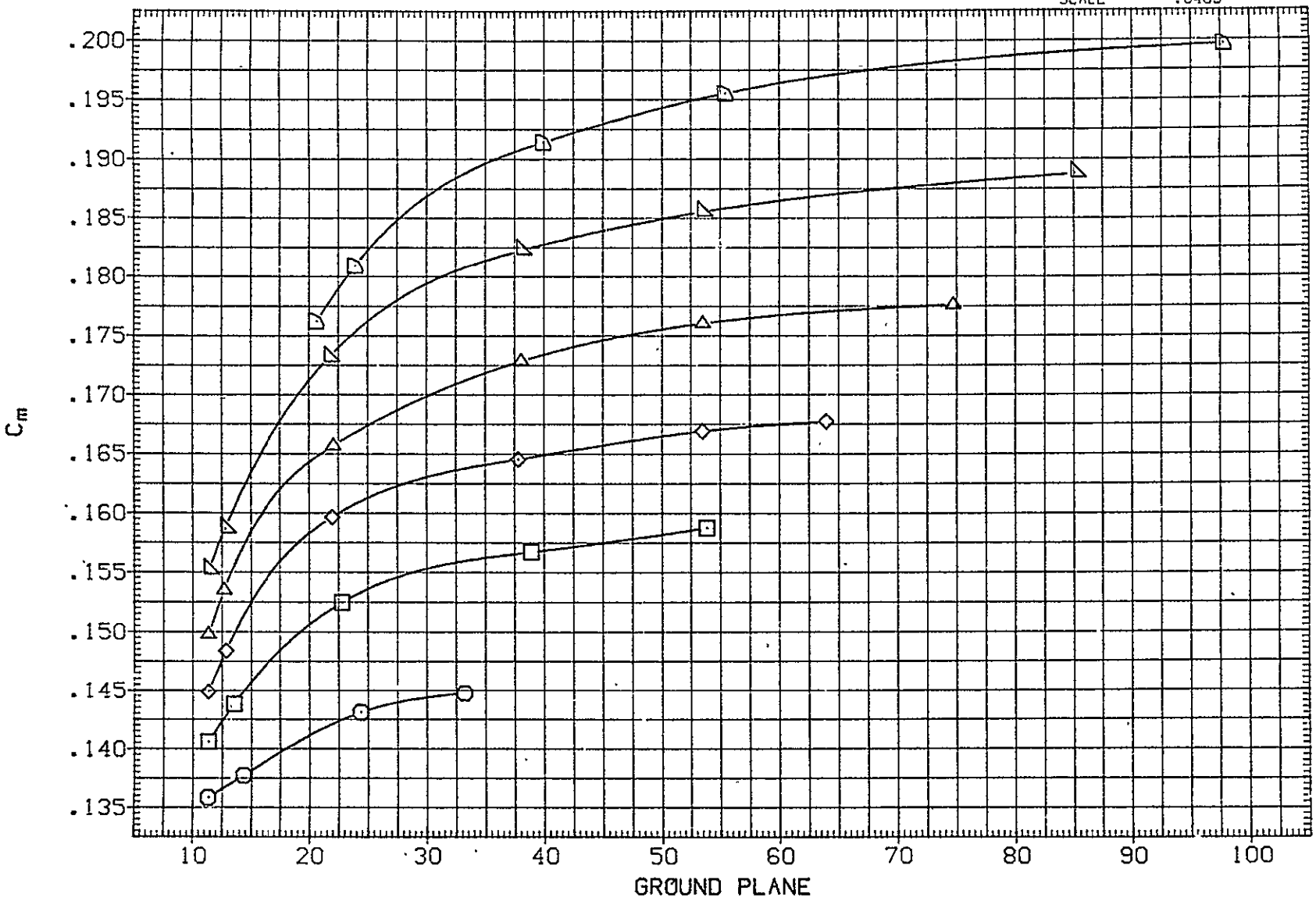

FIG 308 ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(TJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF270)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5
(TJF271)	D	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

ALPHAW	IORB	BDFLAP	ELEVON
.092	8.000	.000	-5.000
4.187	8.000	.000	-5.000
6.100	8.000	.000	-5.000
8.172	8.000	.000	-5.000
10.130	8.000	.000	-5.000
12.184	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

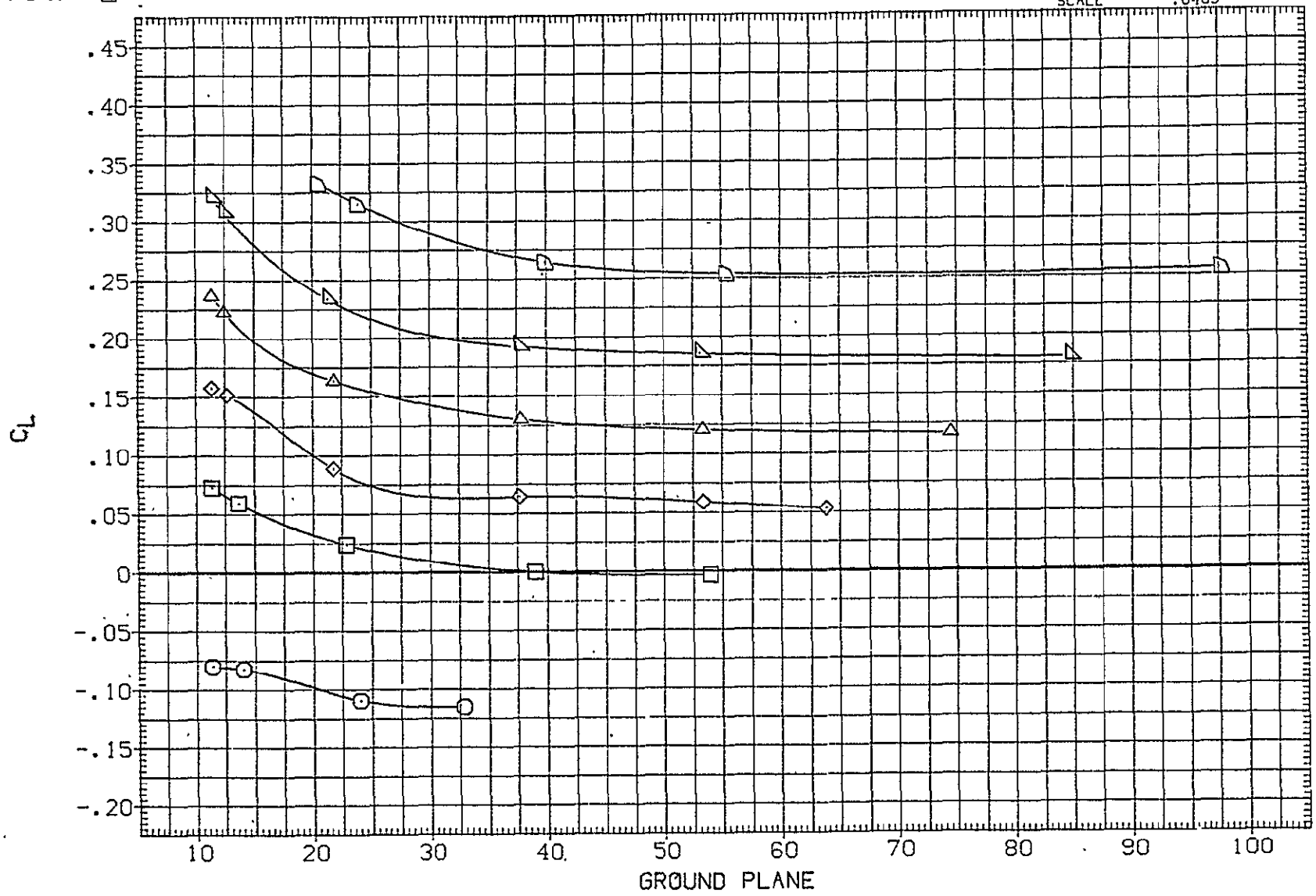

FIG 309 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF266)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.092	8.000	.000	-5.000
(TJF267)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.187	8.000	.000	-5.000
(TJF268)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.100	8.000	.000	-5.000
(TJF269)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.172	8.000	.000	-5.000
(TJF270)	◺	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.130	8.000	.000	-5.000
(TJF271)	▱	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.184	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

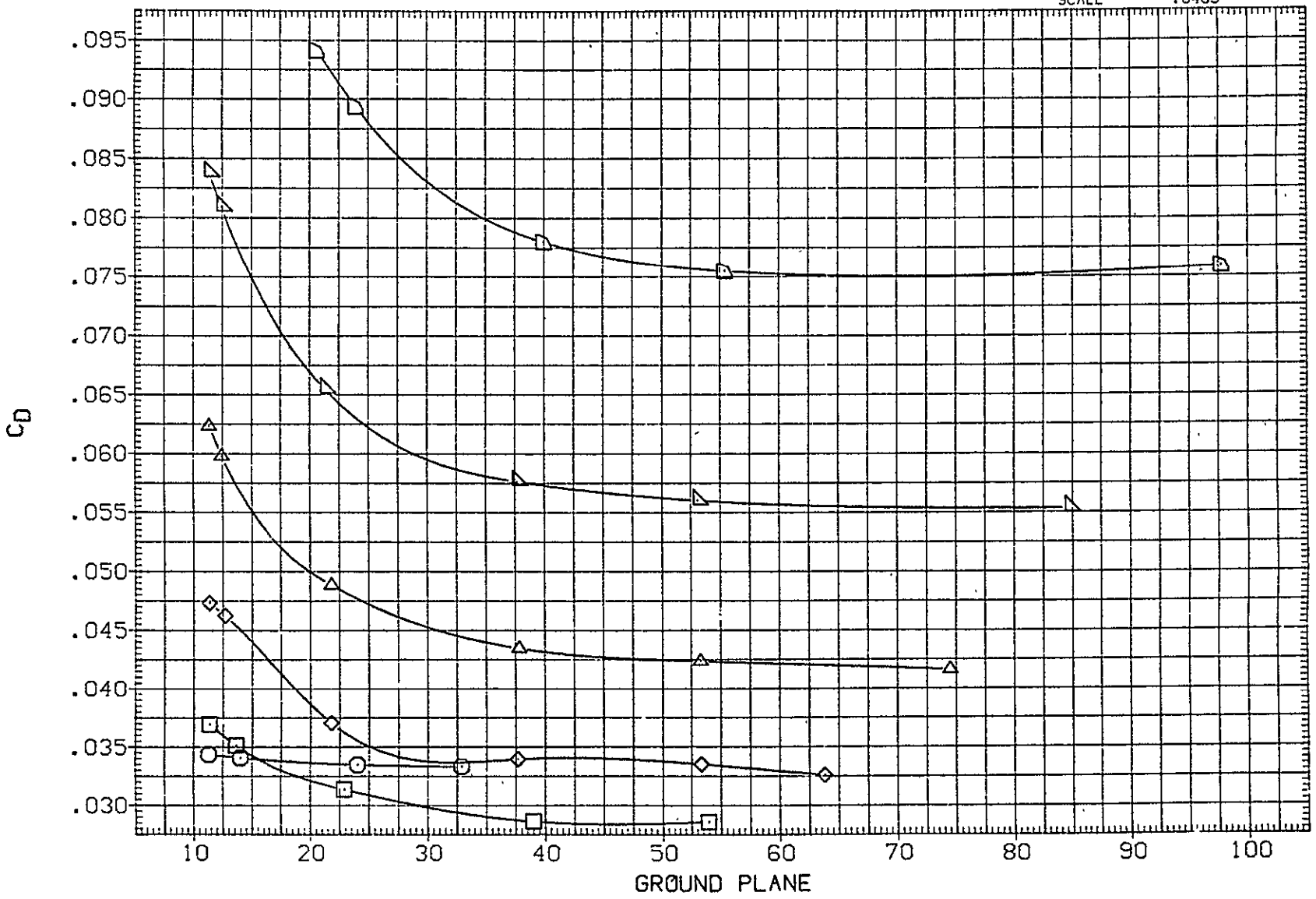

FIG 309 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF266)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.092	8.000	.000	-5.000
(TJF267)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.187	8.000	.000	-5.000
(TJF268)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.100	8.000	.000	-5.000
(TJF269)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.172	8.000	.000	-5.000
(TJF270)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.130	8.000	.000	-5.000
(TJF271)		(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.184	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2680.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

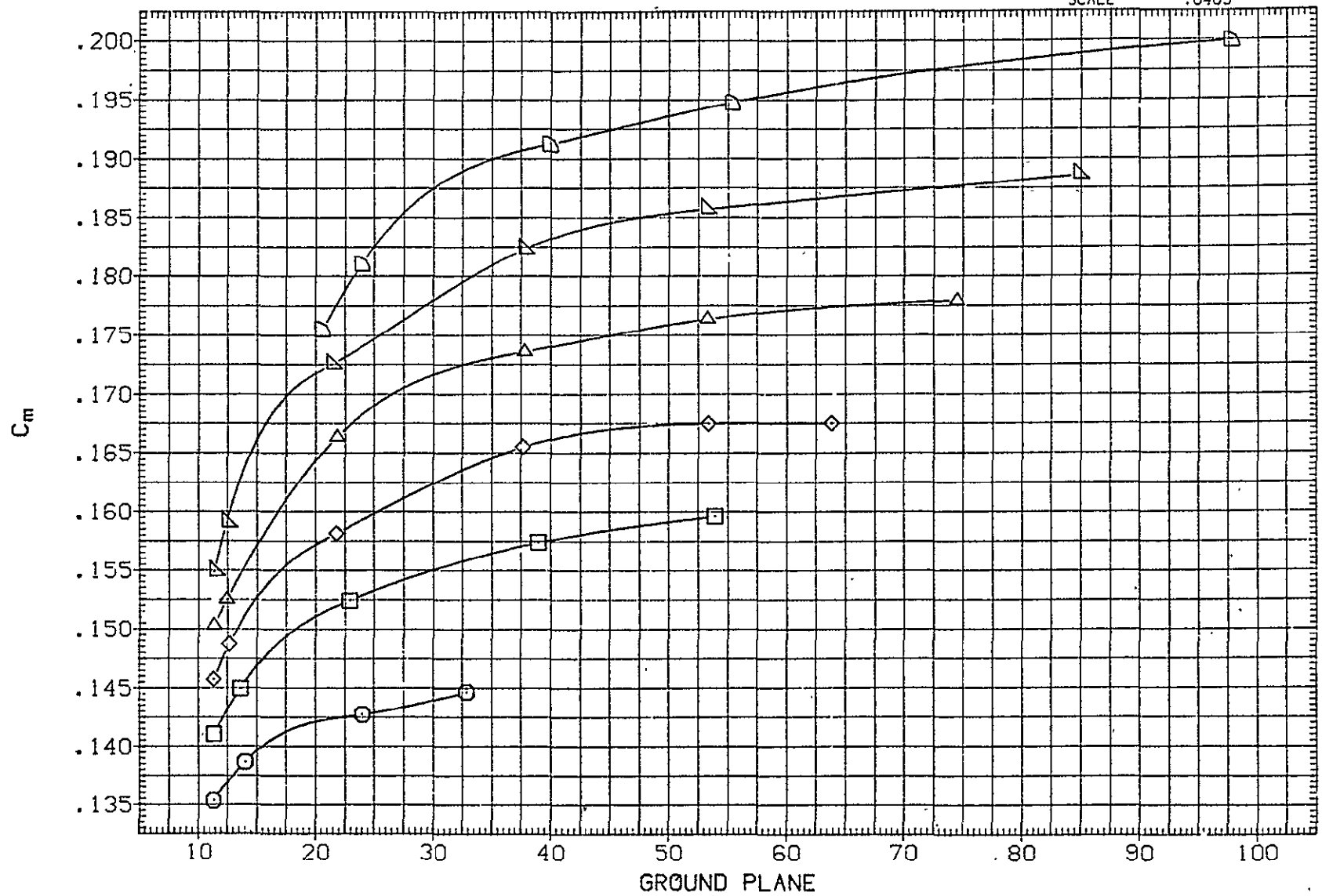

FIG 309 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPH	IORB	BDFLAP	ELEVON
(TJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.137	8.000	.000	-5.000
(TJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.181	8.000	.000	-5.000
(TJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.166	8.000	.000	-5.000
(TJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.149	8.000	.000	-5.000
(TJF263)	◁	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.166	8.000	.000	-5.000
(TJF264)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.163	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

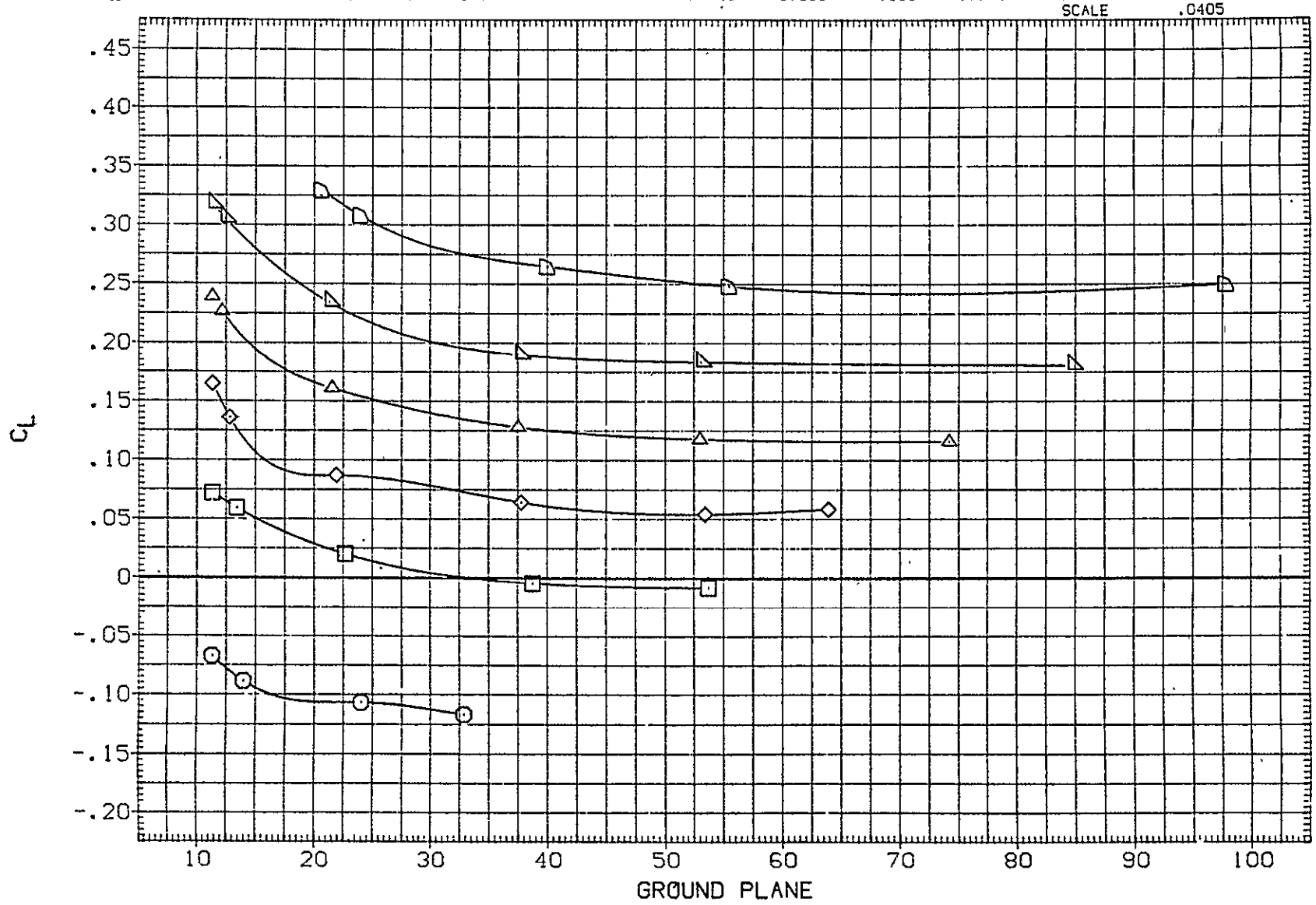

FIG 310 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BOFLAP	ELEVON
(TJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000
(TJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000
(TJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000
(TJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000
(TJF263)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000
(TJF264)	▷	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

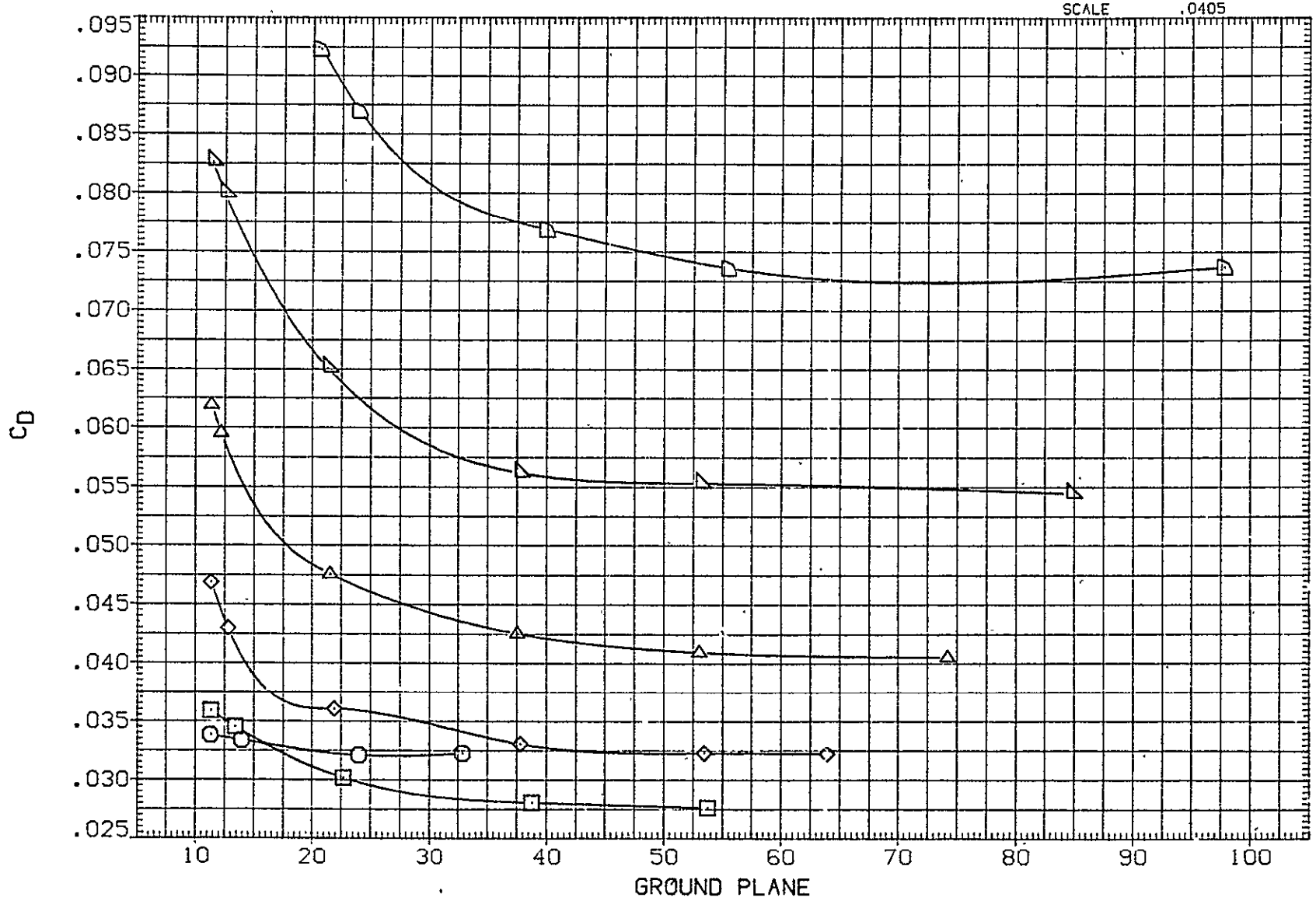

FIG 310 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF259)	○	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	.137	8.000	.000	-5.000
(TJF260)	□	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	4.181	8.000	.000	-5.000
(TJF261)	◇	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	6.166	8.000	.000	-5.000
(TJF262)	△	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	8.149	8.000	.000	-5.000
(TJF263)	▽	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	10.166	8.000	.000	-5.000
(TJF264)	◁	(CA-8) K3.1TS7H15.6.1F30TS40265.3.5	12.163	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMRP	375.0000	IN.ZO
SCALE	.0405	

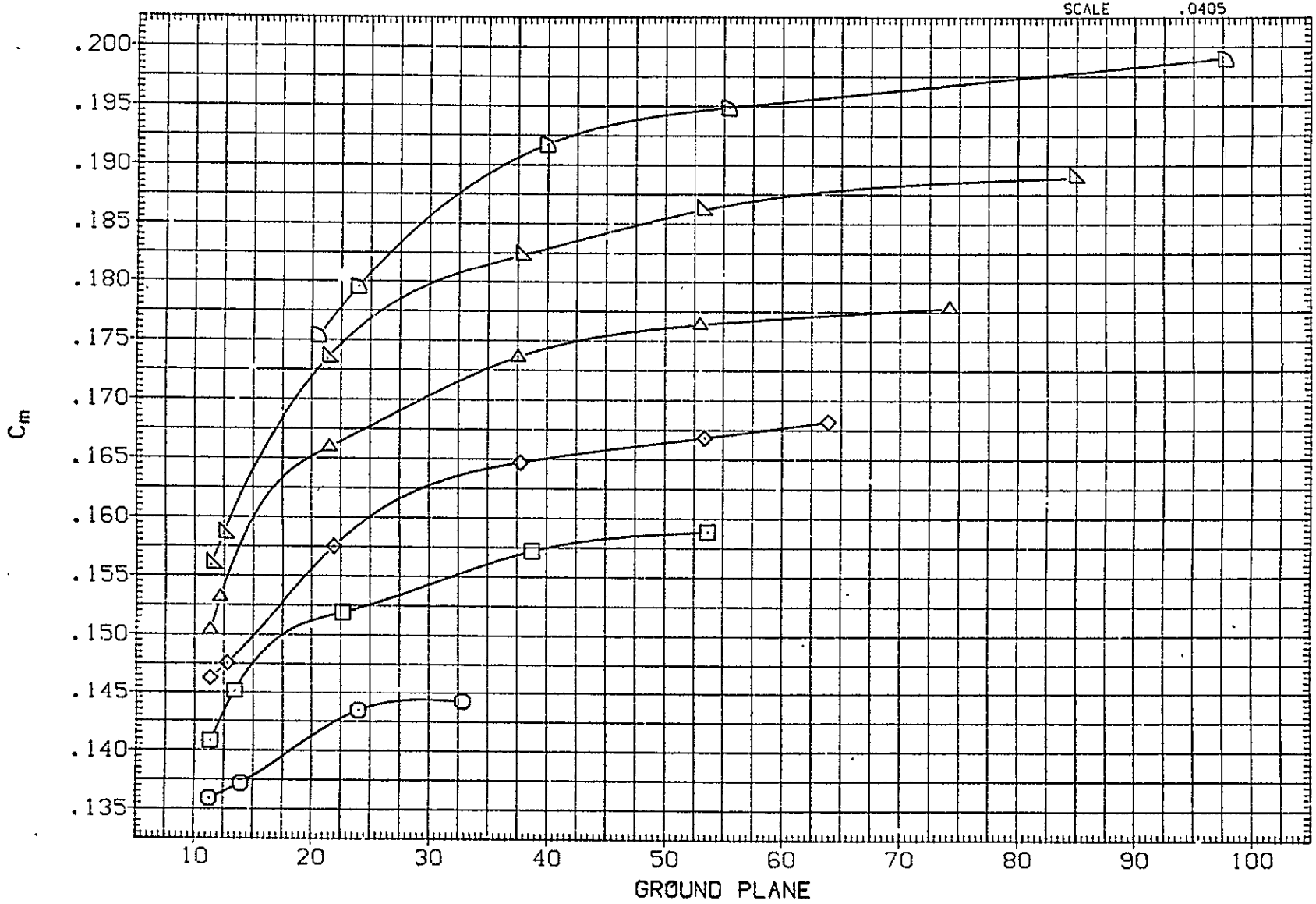

FIG 310 ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000
(TJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000
(TJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000
(TJF244)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000
(TJF245)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000
(TJF246)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.XO
YMRP	.0000	IN.YO
ZMPP	375.0000	IN.ZO
SCALE	.0405	

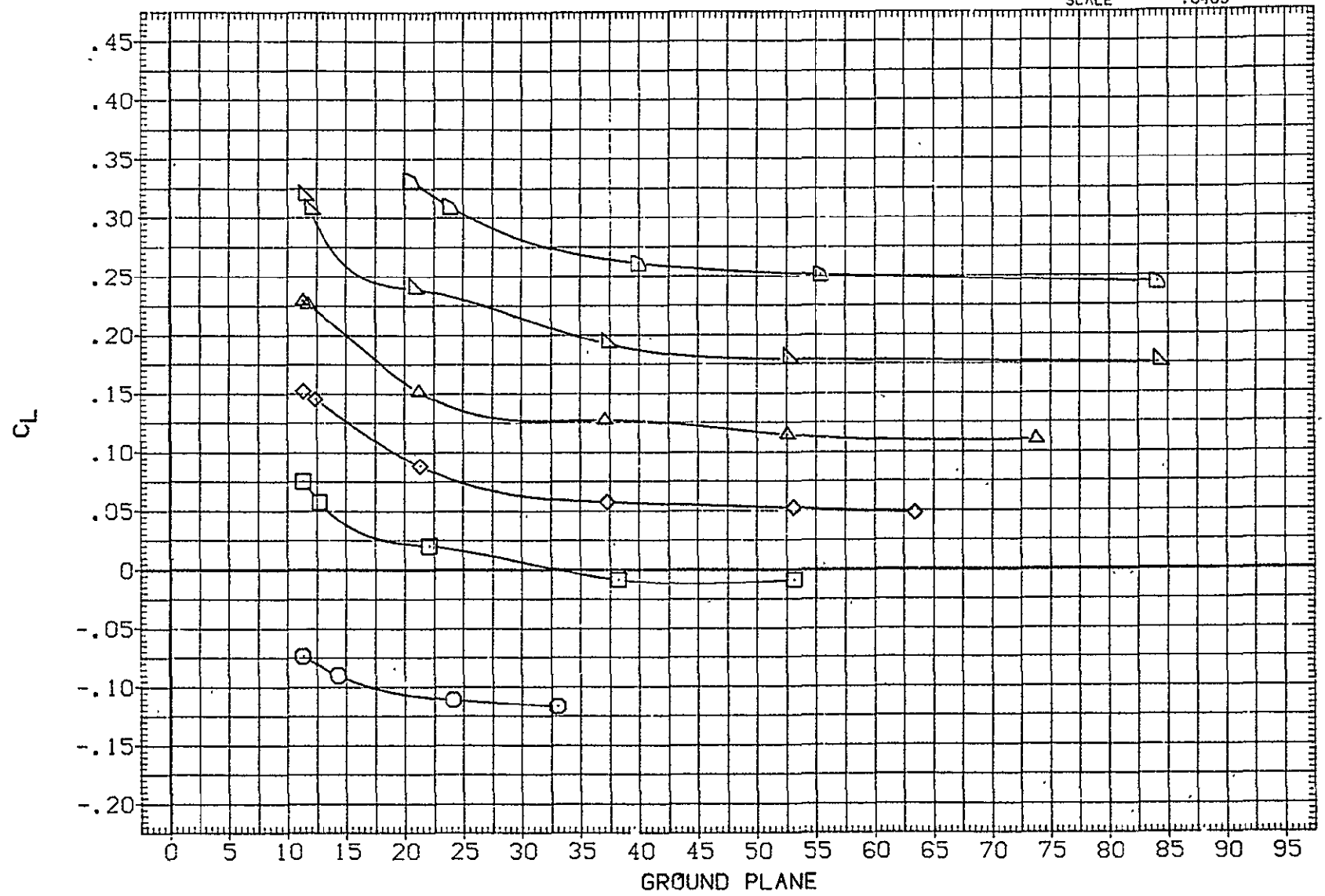

FIG 311 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHAW	IORB	BDFLAP	ELEVON
(TJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000
(TJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000
(TJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000
(TJF244)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000
(TJF245)	▽	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000
(TJF246)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN.X0
YMRP	.0000	IN.Y0
ZMRP	375.0000	IN.Z0
SCALE	.0405	

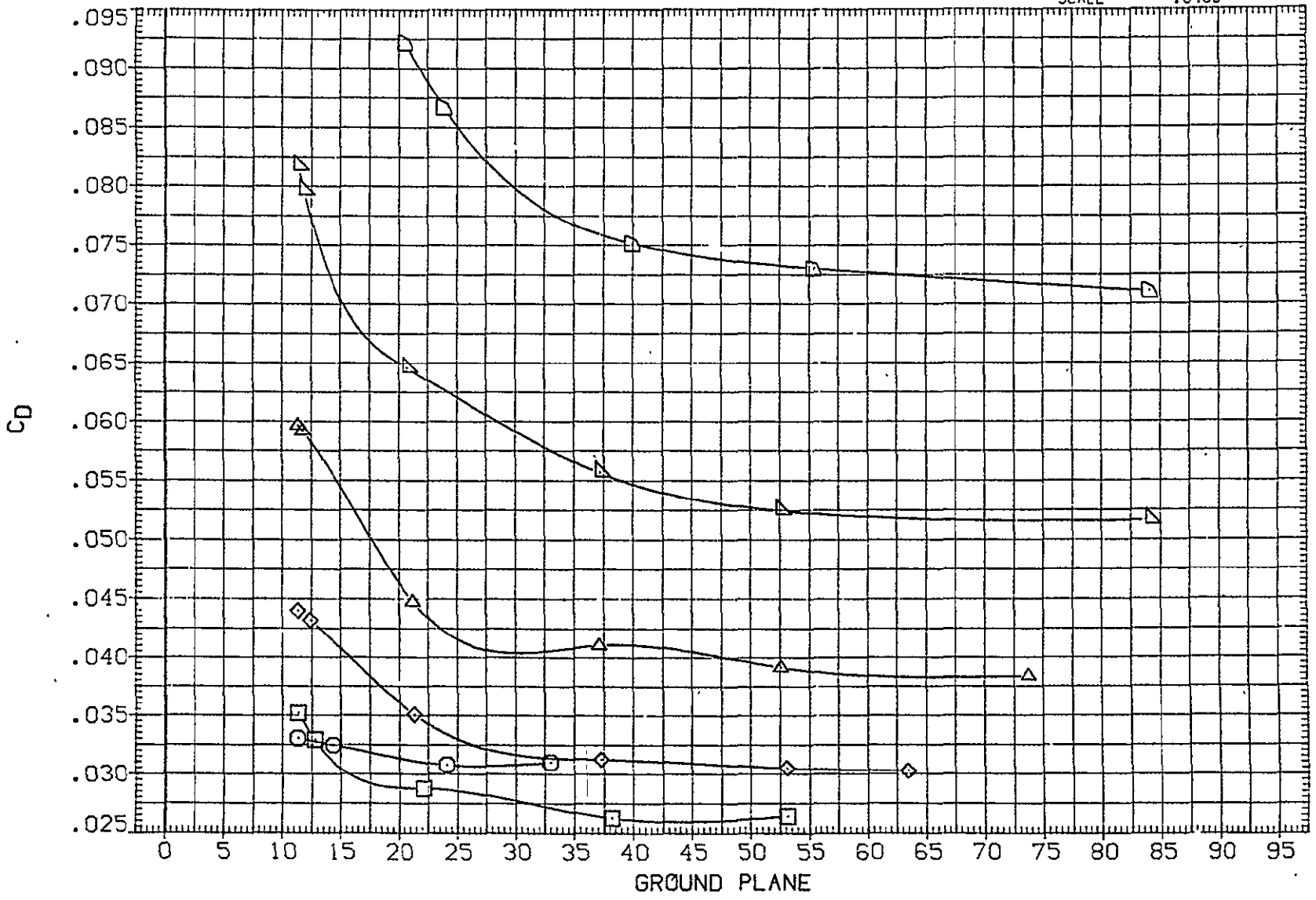

FIG 311 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GF SWEEPS

(A)MACH = .15

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHW	IORB	BDFLAP	ELEVON
(TJF241)	○	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	.204	8.000	.000	-5.000
(TJF242)	□	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	4.127	8.000	.000	-5.000
(TJF243)	◇	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	6.143	8.000	.000	-5.000
(TJF244)	△	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	8.137	8.000	.000	-5.000
(TJF245)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	10.104	8.000	.000	-5.000
(TJF246)	▷	(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5	12.217	8.000	.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1109.0000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0405	

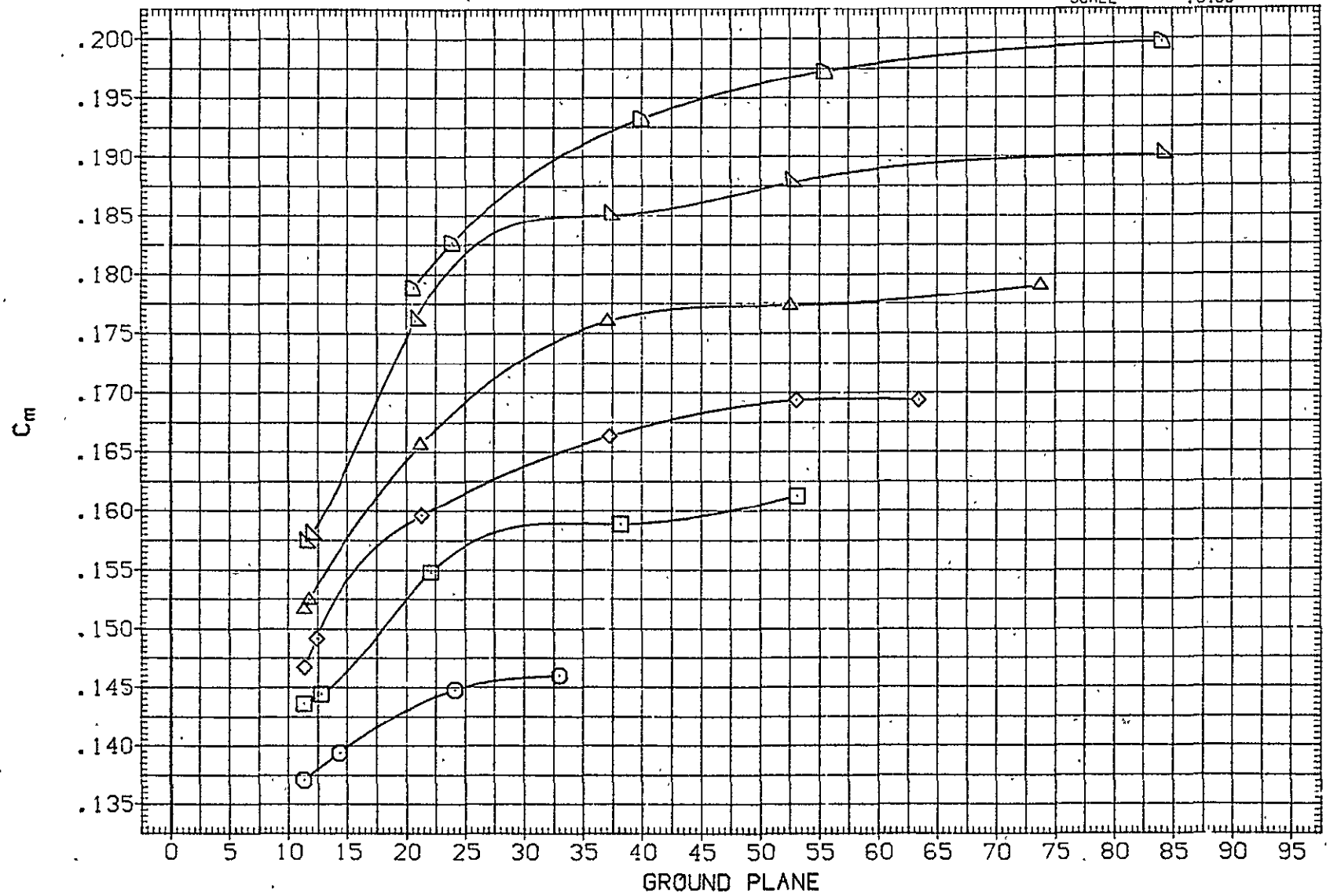

FIG 311 ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR=-23, IORB=8, TC OFF
ORBITER BALANCE DATA-GP SWEEPS

(A)MACH = .15

APPENDIX

TABULATED SOURCE DATA

Volume 2 Pages 1-333

Volume 3 Pages 334-966

Tabulations of plotted data are available on request from Data Management Services.

(CA-8) K1V9.1.2TS1 (RJF001) (18 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 1/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.155	.00000	35.01745	-.19846	.03437	-.04502	.00284	-.00102	-.00986
.154	-.112	.00000	35.01016	-.02406	.02654	-.03341	.00257	-.00047	-.01000
.155	1.970	.00000	35.01985	.15368	.02540	-.01940	.00251	.00079	-.00767
.154	3.979	.00000	35.00379	.30734	.02938	-.00247	.00241	.00027	-.00978
.155	5.971	.00000	35.07741	.47134	.03618	.00984	.00270	.00060	-.01031
.154	8.043	.00000	34.89838	.62921	.04863	.02769	.00216	-.00094	-.01133
.155	10.029	.00000	35.08766	.75688	.06849	.05054	.00174	-.00200	-.00798
.155	12.021	.00000	35.35407	.87429	.10383	.08219	.00124	-.00015	-.00298
.155	14.036	.00000	35.43107	.99121	.16308	.09907	.00211	-.00184	-.00432
.155	16.160	.00000	35.36738	1.08531	.23404	.12170	.00255	-.00090	-.00796
.155	18.090	.00000	35.45875	1.14661	.30147	.13107	.00274	-.00105	-.00705
.156	20.166	.00000	35.65169	1.13355	.36090	.11488	.00126	-.00127	-.00410
.156	22.150	.00000	35.75895	1.09895	.40308	.15103	.00077	.00029	-.00674
.157	24.123	.00000	35.96720	1.09342	.44528	.16546	-.00031	.00147	-.00323
.157	25.151	.00000	36.07620	1.09460	.46856	.16695	.00007	.00100	-.00421
.157	26.058	.00000	35.99965	1.10053	.49178	.16605	.00027	.00073	-.00123
	GRADIENT	.00000	-.00151	.08277	-.00079	.00691	-.00007	.00025	.00013

(CA-8) K1V9.1.2TS1H15.1 (RJF002) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000	SQ.FT.	XMRP =	1339.9100	IN.XC	BETA =	.000	RN/L =	1.090
LREF =	327.8000	IN.	YMRP =	.0000	IN.YC	STAB =	3.000	ELEVTR =	.000
BREF =	2348.0000	IN.	ZMRP =	190.7500	IN.ZC				
SCALE =	.0400								

PARAMETRIC DATA

RUN NO. 2/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.502	.00000	34.90964	-.22912	.03865	-.04888	.00155	-.00044	-.00621
.154	.187	.00000	34.80700	.01028	.02795	-.12121	.00154	.00018	-.00592
.154	2.244	.00000	35.05633	.20461	.02911	-.17623	.00139	-.00014	-.00564
.155	4.305	.00000	35.13496	.37992	.03677	-.22686	.00102	-.00020	-.00417
.154	5.226	.00000	35.11477	.46313	.04219	-.25221	.00107	-.00046	-.00563
.154	6.300	.00000	35.08649	.55641	.04889	-.27931	.00097	.00031	-.00243
.155	8.302	.00000	35.15142	.71777	.06602	-.31530	.00138	-.00167	-.00482
.155	10.176	.00000	35.14053	.85505	.08932	-.32766	.00041	-.00177	-.00374
.155	12.355	.00000	35.25389	.98667	.13478	-.32582	.00052	-.00171	-.00083
.155	14.373	.00000	35.37438	1.09596	.19894	-.33600	.00050	-.00099	-.00144
.155	16.451	.00000	35.45500	1.20741	.27820	-.34192	.00114	-.00093	-.00282
.156	18.429	.00000	35.84366	1.26845	.35574	-.37899	.00090	-.00212	-.00290
.157	20.412	.00000	36.11261	1.27173	.42005	-.49909	.00048	-.00343	-.00015
.157	22.438	.00000	36.28558	1.26712	.47757	-.56322	-.00054	-.00050	.00211
.157	24.437	.00000	36.07797	1.29353	.54078	-.66839	-.00105	.00062	.00558
.157	25.434	.00000	36.23355	1.31235	.57452	-.72761	-.00128	.00061	.00313
.157	26.200	.00000	36.14426	1.32309	.60024	-.75614	-.00098	.00060	.00353
	GRADIENT	.00000	.03920	.08994	-.00032	-.02623	-.00007	.00002	.00028

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(CA-8) K1V9.1.2TS2H15.1F10 (RJF003) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000

RUN NO. 3/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.514	.00000	35.19488	-.29019	.04066	.17992	.00183	.00038	-.00444
.155	.126	.00000	35.18804	-.04938	.02776	.11709	.00231	.00033	-.00846
.155	2.230	.00000	35.14849	.13895	.02622	.06847	.00154	-.00024	-.00534
.155	3.198	.00000	35.13286	.22697	.02830	.04861	.00171	.00060	-.00630
.154	4.198	.00000	34.84112	.30668	.03128	.02662	.00132	-.00014	-.00495
.154	5.322	.00000	35.05325	.40956	.03526	.00182	.00116	.00053	-.00378
.154	6.369	.00000	35.05440	.50231	.04013	-.02032	.00138	-.00029	-.00429
.155	7.375	.00000	35.15730	.58211	.04669	-.04122	.00133	-.00061	-.00366
.154	8.229	.00000	35.06187	.65493	.05229	-.05872	.00108	-.00026	-.00398
.154	9.272	.00000	35.05637	.72248	.06150	-.07066	.00077	-.00163	-.00284
.154	10.288	.00000	35.05024	.79996	.07508	-.07732	.00038	-.00177	-.00328
.155	11.318	.00000	35.23689	.86414	.09351	-.07404	.00019	-.00125	-.00171
.154	12.422	.00000	34.95325	.93371	.11768	-.07851	.00068	-.00173	-.00344
.155	13.385	.00000	35.25885	.99782	.14871	-.08547	.00052	-.00138	-.00186
.155	14.331	.00000	35.40267	1.04072	.17843	-.08872	.00102	-.00164	-.00219
.155	15.469	.00000	35.56492	1.10065	.21749	-.08962	.00089	-.00099	-.00311
.155	16.372	.00000	35.55563	1.14673	.25231	-.09136	.00100	-.00081	-.00441
.155	17.428	.00000	35.55461	1.18523	.28980	-.10163	.00077	-.00093	-.00170
.156	18.476	.00000	35.72861	1.21111	.32970	-.13501	.00061	-.00166	-.00227
.156	19.359	.00000	35.70009	1.21987	.35920	-.18714	.00071	-.00272	-.00207
.156	20.383	.00000	35.67542	1.22015	.38923	-.26773	.00038	-.00147	-.00205
.156	21.450	.00000	35.78039	1.21245	.41687	-.29993	.00063	-.00563	-.00135
.156	22.456	.00000	35.68152	1.21519	.44422	-.31986	-.00042	-.00066	.00040
.156	23.463	.00000	35.75550	1.23326	.47590	-.34658	-.00092	-.00028	.00008
.157	24.361	.00000	36.32117	1.24637	.50256	-.45091	-.00149	.00028	.00290
.157	25.498	.00000	36.27240	1.26800	.53864	-.52201	-.00177	.00049	.00362
.157	26.253	.00000	36.18105	1.28442	.56414	-.56668	-.00112	.00018	.00194
	GRADIENT	.00000	-.03866	.08941	-.00145	-.02286	-.00009	-.00005	-.00000

(CA-8) KIV9.1.2TS2H15.1F10 (RJF004) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000

RUN NO. 4/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.753	.00000	35.13482	-.18782	.08814	.18435	.00230	-.00196	-.01092
.154	.155	.00000	35.04267	.08910	.06305	.11970	.00202	-.00089	-.00879
.154	2.249	.00000	35.00294	.28777	.05758	.07264	.00212	-.00060	-.00872
.154	4.241	.00000	34.98635	.49343	.05914	.02994	.00177	.00077	-.00865
.154	6.360	.00000	35.01428	.69997	.06985	-.01154	.00151	-.00067	-.00632
.155	8.327	.00000	35.13671	.87746	.08751	-.05144	.00106	-.00018	-.00613
.155	10.374	.00000	35.21464	1.07356	.11205	-.09098	.00168	-.00089	-.01023
.155	12.444	.00000	35.14245	1.23610	.14146	-.13289	.00117	-.00099	-.01072
.155	14.388	.00000	35.27084	1.42345	.17227	-.18463	.00096	-.00199	-.00870
.155	15.428	.00000	35.11023	1.49815	.19101	-.20087	.00072	-.00242	-.00866
.154	16.398	.00000	35.08997	1.57466	.20790	-.20491	.00044	-.00243	-.00639
.155	17.444	.00000	35.21454	1.63095	.22790	-.20384	.00021	-.00167	-.00696
.154	18.463	.00000	35.06181	1.67783	.25027	-.20119	.00033	-.00168	-.00484
.155	20.475	.00000	35.47231	1.71633	.31442	-.23402	.00200	-.00569	-.00247
.155	21.524	.00000	35.41027	1.71555	.36279	-.30375	.00208	-.00438	-.00455
.155	22.550	.00000	35.33918	1.72331	.40241	-.38591	.00104	-.00247	-.00235
.156	23.465	.00000	35.61084	1.71040	.43651	-.50714	.00198	-.00319	-.00526
.156	24.539	.00000	35.68808	1.67049	.47407	-.69431	-.00545	.00149	-.00782
.157	25.446	.00000	36.04451	1.67700	.50455	-.76464	-.00476	.00019	-.00663
.157	26.263	.00000	36.12363	1.68882	.53128	-.80040	-.00226	-.00064	-.00844
	GRADIENT	.00000	-.02152	.09705	-.00422	-.02212	-.00006	.00036	.00032

(CA-8) K1V9.1.2TS2H15.1F10 (RJF005) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000

RUN NO. 5/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.613	.00000	35.23541	-.06673	.08296	-.23556	.00119	-.00106	-.00632
.155	.186	.00000	35.19521	.20573	.06570	-.30861	.00130	-.00046	-.00539
.155	2.195	.00000	35.17467	.39809	.06347	-.35948	.00182	-.00056	-.00650
.155	4.352	.00000	35.25276	.61286	.06996	-.40569	.00133	-.00077	-.00587
.154	6.385	.00000	34.97636	.80525	.08409	-.44847	.00114	-.00071	-.00325
.154	8.294	.00000	35.01449	.99647	.10379	-.49459	.00111	-.00151	-.00554
.154	10.415	.00000	35.05337	1.18320	.13361	-.53251	.00099	-.00166	-.00551
.154	12.379	.00000	35.05731	1.35773	.16422	-.56928	.00086	-.00215	-.00606
.155	14.418	.00000	35.20926	1.53443	.19863	-.59809	.00089	-.00166	-.00666
.155	15.472	.00000	35.16394	1.60592	.21812	-.59521	.00108	-.00183	-.00647
.155	16.487	.00000	35.22991	1.67646	.23670	-.58124	.00084	-.00274	-.00451
.155	17.448	.00000	35.16061	1.72144	.25624	-.56754	.00055	-.00320	-.00367
.155	18.463	.00000	35.26647	1.76096	.27979	-.55628	.00058	-.00157	-.00403
.155	19.462	.00000	35.37434	1.79606	.30345	-.54361	.00100	-.00223	-.00345
.155	20.570	.00000	35.47744	1.79035	.35132	-.58597	.00290	-.00628	.00204
.156	21.488	.00000	35.53336	1.79336	.39473	-.65604	.00168	-.00380	.00236
.155	22.601	.00000	35.39045	1.80508	.43948	-.76574	.00178	-.00321	-.00192
.156	23.508	.00000	35.91509	1.79256	.47504	-.87902	.00178	-.00307	-.00246
.156	24.535	.00000	35.57664	1.75801	.51295	-1.02380	-.00362	.00076	-.00215
.156	25.457	.00000	35.68746	1.75756	.54394	-1.09012	-.00536	.00126	-.00364
.157	26.265	.00000	36.05241	1.76028	.57007	-1.11018	-.00256	.00009	-.00353
	GRADIENT	.00000	.00079	.09740	-.00195	-.02456	.00004	.00004	.00002

(CA-8) KIV9.1.2TS2H15.1F10 (RJF006) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090		
STAB =	-2.000	ELEVTR =	10.000		

RUN NO. 6/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.583	.00000	35.11725	-.05821	.07579	-.08134	.00161	-.00011	-.00588
.155	2.578	.00000	35.19316	.13631	.07137	-.12924	.00172	-.00044	-.00511
.155	4.661	.00000	35.41234	.33468	.07606	-.18299	.00125	-.00054	-.00397
.155	6.674	.00000	35.33064	.53171	.08823	-.22745	.00130	-.00170	-.00331
.154	8.735	.00000	35.07134	.73633	.10895	-.27173	.00147	-.00065	-.00262
.155	10.718	.00000	35.13132	.91747	.13540	-.31582	.00113	.00012	-.00074
.154	12.779	.00000	35.10537	1.10604	.17090	-.35408	.00103	-.00135	-.00169
.155	14.912	.00000	35.29210	1.29508	.20996	-.39866	.00105	-.00085	-.00127
.155	16.837	.00000	35.35633	1.44946	.25082	-.43534	.00086	-.00162	.00349
.155	18.786	.00000	35.36975	1.60114	.29297	-.44169	.00054	-.00223	-.00097
.156	20.853	.00000	35.67215	1.69859	.33858	-.41557	.00016	-.00067	.00437
.156	22.932	.00000	35.71819	1.75166	.39971	-.42096	.00177	-.00449	.00462
.156	24.875	.00000	35.92833	1.75409	.49104	-.56831	.00129	-.00231	-.00152
.157	26.849	.00000	36.04476	1.71480	.56334	-.83073	-.00643	.00297	-.00206
.156	28.867	.00000	35.93595	1.71805	.63328	-.98529	-.00281	-.00056	.00096
	GRADIENT	.00000	.07260	.09634	.00008	-.02493	-.00009	-.00011	.00047

(CA-8) KIV9.1.2TS2H15.1F10 (RJF007) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = -10.000

RUN NO. 7/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.554	.00000	35.07643	-.18641	.07715	.39527	.00152	-.00065	-.00448
.154	2.583	.00000	35.04464	.00707	.05958	.35637	.00223	-.00025	-.00536
.154	4.680	.00000	35.02258	.21883	.07011	.30474	.00181	-.00065	-.00739
.154	6.643	.00000	35.12722	.40727	.07919	.26138	.00162	.00053	-.00482
.155	8.673	.00000	35.30274	.60523	.09463	.22008	.00205	-.00128	-.00507
.155	10.754	.00000	35.23044	.79406	.11861	.17674	.00146	-.00073	-.00428
.155	12.725	.00000	35.27935	.97620	.14830	.14803	.00105	-.00037	-.00357
.155	14.790	.00000	35.23389	1.16025	.18300	.10424	.00147	-.00073	-.00349
.155	16.844	.00000	35.47300	1.33509	.22240	.04906	.00101	-.00191	-.00063
.155	18.815	.00000	35.39256	1.49543	.26254	.00744	.00047	-.00217	-.00076
.155	20.901	.00000	35.44720	1.60283	.30827	-.00712	.00007	-.00176	.00007
.155	22.909	.00000	35.55256	1.66713	.35834	-.01336	.00037	-.00183	.00160
.156	24.904	.00000	35.68959	1.66305	.45297	-.15480	.00072	-.00096	-.00188
.156	26.938	.00000	35.79856	1.61901	.52240	-.41321	-.00481	.00253	-.00107
.156	28.952	.00000	35.86613	1.62077	.58926	-.58917	-.00445	.00022	.00145
	GRADIENT	.00000	-.01304	.09823	-.00170	-.02196	.00007	-.00000	-.00071

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K1V9.1.2TS2H15.1F10 (RJF008) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC	BETA =	.000	RN/L =	1.090
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC	STAB =	-2.000	ELEVTR =	-10.000
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC				
SCALE =	.0400						

PARAMETRIC DATA

RUN NO. 8/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.492	.00000	35.18949	-.19301	.07501	.40567	.00120	.00057	-.00313
.154	2.555	.00000	35.14064	-.00133	.06702	.36219	.00172	-.00003	-.00544
.155	4.587	.00000	35.23312	.20760	.06748	.31286	.00219	.00013	-.00706
.155	6.648	.00000	35.19103	.40023	.07653	.27014	.00118	-.00028	-.00315
.155	8.730	.00000	35.33821	.59534	.09341	.22957	.00089	-.00006	-.00281
.155	10.760	.00000	35.21416	.79630	.11704	.18584	.00166	-.00016	-.00405
.154	12.760	.00000	35.14584	.98621	.14639	.15168	.00087	-.00032	-.00146
.155	14.788	.00000	35.23608	1.15265	.18126	.11314	.00085	-.00092	-.00161
.155	16.840	.00000	35.16462	1.32454	.22041	.05860	.00073	-.00236	.00007
.155	18.851	.00000	35.35149	1.49525	.26074	.00989	.00027	-.00124	.00055
.155	20.802	.00000	35.41894	1.59666	.30406	-.00278	-.00007	-.00144	.00113
.155	22.934	.00000	35.55195	1.66981	.35680	-.00330	.00018	-.00178	-.00045
.155	24.866	.00000	35.60635	1.66045	.45068	-.14341	.00068	-.00175	.00085
.155	26.935	.00000	35.51619	1.62552	.52220	-.40047	-.00363	.00153	-.00245
.156	28.956	.00000	35.94178	1.61609	.58688	-.58185	-.00401	.00028	-.00056
	GRADIENT	.00000	.01057	.09782	-.00184	-.02266	.00024	-.00011	-.00096

(CA-8) K1V9.1.2TS2H15.1F10 (RJF009) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000

RUN NO. 9/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.391	.00000	35.21377	-.29579	.10063	.68574	.00208	-.00054	-.00973
.155	.120	.00000	35.23126	-.06114	.07755	.62952	.00207	.00001	-.00753
.154	2.206	.00000	35.16954	.14997	.06709	.58014	.00197	-.00046	-.00904
.154	4.227	.00000	35.15555	.33829	.06634	.54408	.00145	-.00013	-.00733
.155	6.265	.00000	35.21088	.53810	.07141	.50744	.00149	.00013	-.00439
.154	8.280	.00000	35.17782	.73695	.08417	.47599	.00154	-.00058	-.00542
.154	10.274	.00000	35.15571	.91305	.10319	.44911	.00134	-.00002	-.00729
.154	12.361	.00000	35.17360	1.08456	.12783	.41987	.00097	-.00201	-.00610
.155	14.354	.00000	35.24098	1.25630	.15561	.37432	.00066	-.00227	-.00411
.155	16.459	.00000	35.23149	1.42465	.18775	.32818	.00031	-.00232	-.00278
.155	18.465	.00000	35.27884	1.54431	.22502	28846	.00059	-.00092	-.00235
.155	20.439	.00000	35.30922	1.61573	.26898	.27035	.00055	-.00179	-.00310
.155	22.416	.00000	35.38010	1.61241	.36457	11464	.00146	-.00328	-.00533
.155	24.448	.00000	35.41903	1.57111	.43404	-.14804	-.00581	.00295	-.00746
.155	26.496	.00000	35.42561	1.57279	.49725	-.31925	-.00252	.00011	-.00407
	GRADIENT	.00000	-.01049	.09629	-.00527	-.02166	-.00009	.00004	.00027

(CA-8) K1V9.1.2TS2H15.1F10 (RJF010) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000

RUN NO. 10/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.755	.00000	35.29384	-.21612	.08764	.26450	.00186	-.00050	-.00762
.155	.118	.00000	35.35066	.06294	.06230	.20272	.00235	-.00138	-.00968
.155	2.227	.00000	35.30663	.27213	.05544	.15206	.00235	-.00068	-.01184
.154	4.218	.00000	34.98757	.45013	.05831	.11675	.00108	-.00009	-.00518
.154	6.233	.00000	35.09117	.65897	.06591	.07371	.00136	.00017	-.00530
.154	8.228	.00000	35.11325	.84573	.08257	.03603	.00124	-.00056	-.00337
.154	10.331	.00000	35.15679	1.04145	.10572	-.00092	.00117	-.00124	-.00650
.155	12.329	.00000	35.32218	1.21010	.13250	-.04000	.00124	-.00162	-.00584
.154	14.415	.00000	35.13224	1.39452	.16567	-.09520	.00100	-.00185	-.00593
.155	16.395	.00000	35.28827	1.55161	.19934	-.12744	.00046	-.00188	-.00268
.155	18.498	.00000	35.28068	1.66726	.24175	-.12992	.00045	-.00112	-.00247
.155	20.466	.00000	35.56719	1.71929	.29752	-.14343	.00171	-.00420	.00026
.155	22.514	.00000	35.38717	1.72238	.38895	-.28681	.00011	-.00126	-.00190
.155	24.493	.00000	35.25023	1.67889	.46043	-.58052	-.00565	.00212	-.00467
.155	26.442	.00000	35.28853	1.69342	.52563	-.73351	-.00358	.00042	-.00212
	GRADIENT	.00000	-.03858	.09599	-.00434	-.02149	-.00009	.00007	.00016

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) KIV9.1.2TS2H15.1F10 (RJF011) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000

RUN NO. 11/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.716	.00000	34.97808	-.16318	.08230	.07985	.00190	-.00143	-.00847
.154	.184	.00000	34.74818	.10377	.06138	.02183	.00170	-.00062	-.00814
.154	2.199	.00000	34.75666	.30385	.05569	-.03017	.00094	-.00008	-.00539
.154	4.213	.00000	34.85731	.50632	.05868	-.07491	.00120	-.00021	-.00678
.154	6.293	.00000	34.85300	.70999	.06977	-.11862	.00071	-.00027	-.00298
.155	8.297	.00000	35.19827	.90167	.08673	-.16552	.00109	-.00052	-.00384
.155	10.314	.00000	35.36583	1.08343	.11350	-.20447	.00074	-.00113	-.00397
.154	12.340	.00000	35.09292	1.26906	.14390	-.24863	.00097	-.00209	-.00562
.154	14.415	.00000	35.06998	1.44077	.17798	-.29415	.00059	-.00185	-.00457
.155	16.439	.00000	35.19813	1.59876	.21448	-.31150	.00040	-.00264	-.00257
.155	18.448	.00000	35.30526	1.70087	.25527	-.30039	.00026	-.00170	-.00345
.155	20.478	.00000	35.57593	1.76103	.30945	-.30424	.00076	-.00234	-.00303
.156	22.522	.00000	35.80846	1.76499	.41097	-.46618	.00046	-.00136	-.00344
.156	24.476	.00000	35.76333	1.71981	.48463	-.74608	-.00430	.00245	-.00283
.156	26.622	.00000	35.95786	1.72627	.55658	-.88965	-.00249	.00008	-.00250
	GRADIENT	.00000	-.01842	.09665	-.00351	-.02255	-.00013	.00019	.00034

(CA-8) KIV9.1.2TS2H15.1F10G5.3.5 (RJF012) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000

RUN NO. 12/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.845	.00000	35.07877	-.06621	.10305	.14691	.00079	.00008	-.00250
.154	.219	.00000	35.13663	.12611	.08766	.10113	.00133	.00103	-.00555
.154	2.184	.00000	35.02641	.31494	.08045	.05305	.00189	-.00060	-.00866
.154	4.289	.00000	34.99382	.50954	.08211	.00806	.00112	-.00087	-.00881
.155	6.318	.00000	35.21436	.70142	.09091	-.03211	.00088	-.00077	-.00760
.155	8.322	.00000	35.30102	.88133	.10748	-.07422	.00060	-.00017	-.00424
.155	10.423	.00000	35.31405	1.08309	.13280	-.11669	.00069	-.00087	-.00631
.155	12.328	.00000	35.16367	1.25646	.15836	-.16255	.00087	-.00054	-.00697
.155	14.450	.00000	35.19702	1.44539	.19094	-.21902	.00035	-.00203	-.00441
.155	16.428	.00000	35.23394	1.58000	.22653	-.23493	.00006	-.00306	-.00564
.155	18.487	.00000	35.47135	1.68779	.26781	-.22799	.00016	-.00097	-.00574
.156	20.463	.00000	35.61223	1.72280	.33457	-.26384	.00241	-.00592	.00077
.155	22.554	.00000	35.31363	1.71610	.42300	-.4'903	.00019	-.00030	-.00411
.155	24.495	.00000	35.35497	1.66458	.49143	-.7'632	-.00496	.00201	-.00550
.157	26.305	.00000	36.27971	1.68543	.55166	-.82410	-.00036	-.00131	-.00488
	GRADIENT	.00000	-.01782	.09407	-.00343	-.02281	.00007	-.00022	-.00108

(CA-8) K1V9.1.2TS2H15.1F20 (RJF013) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 13/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.832	.00000	35.23687	-.02937	.07407	-.10205	.00160	-.00048	-.00801
.155	.153	.00000	35.32032	.13694	.06278	-.09418	.00159	.00046	-.00682
.155	2.239	.00000	35.33803	.33764	.05855	-.08599	.00187	-.00046	-.00924
.155	4.223	.00000	35.31652	.50504	.06044	-.07478	.00119	-.00055	-.00646
.155	5.323	.00000	35.23035	.60527	.06423	-.06849	.00114	-.00001	-.00722
.155	6.342	.00000	35.14596	.70251	.06951	-.06111	.00222	.00053	-.00891
.155	7.386	.00000	35.14927	.79183	.07765	-.05525	.00154	-.00055	-.00530
.155	8.368	.00000	35.21394	.88490	.08535	-.04626	.00221	-.00078	-.00839
.154	9.399	.00000	35.07469	.97144	.09650	-.03806	.00202	-.00004	-.00925
.154	10.353	.00000	35.00395	1.04334	.10825	-.03 83	.00148	-.00113	-.00574
.154	11.316	.00000	35.07582	1.12794	.12024	-.02348	.00173	-.00079	-.00682
.154	12.399	.00000	35.05212	1.21323	.13395	-.01588	.00151	-.00092	-.00604
.155	13.402	.00000	35.18841	1.30693	.14820	-.01466	.00182	-.00026	-.01001
.155	14.368	.00000	35.25142	1.37762	.16351	-.01168	.00164	-.00044	-.00841
.155	15.403	.00000	35.16449	1.45550	.17908	-.01082	.00159	-.00070	-.00891
.155	16.477	.00000	35.23507	1.52119	.19778	-.00387	.00119	-.00094	-.00633
.155	17.460	.00000	35.27126	1.57825	.21482	.00401	.00107	-.00125	-.00691
.155	18.440	.00000	35.28095	1.62679	.23332	.01445	.00101	-.00056	-.00930
.155	19.511	.00000	35.40025	1.67248	.25628	.03002	.00116	-.00094	-.00798
.155	20.434	.00000	35.45917	1.67817	.28472	.03091	.00199	-.00213	-.00417
.155	21.423	.00000	35.39590	1.66469	.33378	.00630	.00218	-.00255	-.00228
.155	22.477	.00000	35.44146	1.65226	.37039	-.00466	.00109	-.00130	-.00293
.155	23.566	.00000	35.37940	1.61770	.39988	-.02985	.00091	-.00101	-.00565
.155	24.448	.00000	35.44031	1.57235	.42058	-.06684	-.00490	.00487	-.01395
.156	25.570	.00000	35.58993	1.52012	.44260	-.10478	-.00446	.00264	-.00900
.155	26.387	.00000	35.55995	1.52973	.46541	-.11160	-.00232	.00039	-.00705
	GRADIENT	.00000	.01266	.08910	-.00223	.00445	-.00005	-.00006	.00011

(CA-8) K1V9.1.2TS2H15.1F20 (RJF014) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 14/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.882	.00000	35.01708	.22491	.07582	-.17548	.00247	.00204	-.00509
.155	.302	.00000	35.16626	.44557	.07120	-.18109	.00247	.00057	-.00565
.155	2.248	.00000	35.15318	.62877	.07596	-.18085	.00235	-.00018	-.00626
.155	4.330	.00000	35.19290	.82268	.08648	-.16928	.00228	.00104	-.00784
.155	5.287	.00000	35.24613	.89656	.09469	-.16547	.00152	-.00009	-.00337
.155	6.336	.00000	35.30818	.99584	.10288	-.15756	.00250	-.00059	-.00851
.155	7.383	.00000	35.27775	1.09015	.11367	-.14931	.00256	-.00087	-.00988
.155	8.302	.00000	35.25116	1.16074	.12412	-.14014	.00256	-.00062	-.00920
.155	9.391	.00000	35.19391	1.25437	.13874	-.12971	.00248	-.00122	-.00866
.155	10.379	.00000	35.19246	1.33375	.15181	-.12373	.00300	-.00115	-.01098
.155	11.380	.00000	35.18871	1.42054	.16560	-.11727	.00248	-.00084	-.00791
.155	12.407	.00000	35.19657	1.50366	.18100	-.11263	.00226	-.00135	-.00811
.155	13.436	.00000	35.22866	1.57916	.19913	-.11113	.00243	-.00059	-.00887
.155	14.509	.00000	35.18895	1.65948	.21595	-.10686	.00211	-.00074	-.00793
.154	15.429	.00000	35.07056	1.71879	.23102	-.09909	.00172	-.00070	-.00719
.154	16.457	.00000	35.10612	1.76802	.25096	-.08663	.00197	-.00105	-.00746
.155	17.540	.00000	35.26916	1.81710	.26972	-.07159	.00148	-.00052	-.00743
.155	18.445	.00000	35.31743	1.84776	.28848	-.05827	.00199	-.00110	-.00895
.155	19.557	.00000	35.23474	1.87865	.31416	-.04024	.00193	-.00107	-.00421
.155	20.434	.00000	35.38454	1.87884	.33533	-.02795	.00256	-.00151	-.00593
.155	21.454	.00000	35.42238	1.80615	.39117	-.06351	.00192	-.00240	-.00105
.155	22.485	.00000	35.42435	1.76495	.42487	-.08394	.00200	-.00287	-.00307
.156	23.506	.00000	35.72020	1.69703	.45219	-.12547	-.00140	.00216	-.00963
.156	24.526	.00000	35.72820	1.65329	.47458	-.15422	-.00438	.00296	-.01035
.156	25.515	.00000	35.77848	1.62936	.49733	-.17361	-.00298	.00048	-.00563
.156	26.418	.00000	35.98495	1.62860	.51967	-.17019	-.00065	-.00020	-.00221
	GRADIENT	.00000	.02530	.09606	.00176	.00090	-.00003	-.00018	-.00043

(CA-8) K1VS.1.2TS2H15.1F20 (RJF015) (18 JUN 76)

REFERENCE DATA

SREF =	9500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.6000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090		
STAB =	-6.000	ELEVTR =	.000		

RUN NO. 157 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.806	.00000	35.05468	.09051	.08248	.31428	.00172	.00094	-.00849
.154	.212	.00000	34.99347	.31710	.07584	.25857	.00245	.00047	-.00876
.154	2.203	.00000	35.00998	.51220	.07764	.21060	.00221	.00020	-.01038
.154	4.288	.00000	35.02661	.73572	.08532	.16178	.00216	-.00036	-.01233
.154	6.386	.00000	35.10770	.93123	.10166	.11690	.00168	-.00067	-.00811
.155	8.354	.00000	35.14361	1.11773	.12226	.08007	.00186	-.00065	-.01057
.155	10.368	.00000	35.17307	1.29546	.14920	.04120	.00185	-.00019	-.00772
.155	12.415	.00000	35.27031	1.47392	.18041	-.00839	.00160	-.00113	-.00688
.155	14.427	.00000	35.19960	1.65313	.21287	-.04877	.00102	-.00112	-.00561
.155	16.475	.00000	35.24492	1.76769	.25117	-.00384	.00064	-.00155	-.00565
.155	18.466	.00000	35.42942	1.86444	.29084	-.00868	.00079	-.00222	-.00780
.155	20.486	.00000	35.46470	1.87159	.34696	-.07601	.00166	-.00374	-.00241
.155	22.477	.00000	35.82569	1.81196	.44121	-.27556	.00093	-.00252	-.00485
.156	24.435	.00000	35.97606	1.74722	.50361	-.57981	-.00566	.00044	-.00723
.156	26.311	.00000	35.90629	1.75956	.56432	-.68670	-.00132	-.00117	-.00433
	GRADIENT	.00000	-.00330	.10511	.00052	-.02493	.00005	-.00021	-.00065

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) KIV9.1.2TS2H15.1F20 (RJF016) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC				
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC				
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC				
SCALE	= .0400						

PARAMETRIC DATA

BETA	= .000	RN/L	= 1.090
STAB	= -4.000	ELEVTR	= .000

RUN NO. 16/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.844	.00000	34.87353	.10677	.07956	.22885	.00231	.00085	-.00822
.155	.156	.00000	35.19199	.32016	.07462	.17142	.00196	.00036	-.00768
.155	2.226	.00000	35.20231	.54205	.07543	.11709	.00254	-.00074	-.01132
.155	4.297	.00000	35.19203	.74997	.08494	.07433	.00194	.00005	-.01093
.155	6.337	.00000	35.31960	.94775	.10078	.02386	.00209	-.00069	-.01195
.155	8.361	.00000	35.25959	1.13449	.12247	-.01066	.00199	-.00093	-.01040
.155	10.468	.00000	35.33744	1.32335	.15094	-.05237	.00199	-.00150	-.00980
.155	12.404	.00000	35.34773	1.49940	.18003	-.10175	.00163	-.00029	-.00844
.155	14.486	.00000	35.22678	1.67352	.21829	-.15213	.00078	-.00084	-.00536
.155	16.448	.00000	35.41228	1.78843	.25403	-.17776	.00038	-.00176	-.00447
.155	18.489	.00000	35.45613	1.87941	.29543	-.17270	.00029	-.00135	-.00539
.156	20.460	.00000	35.62834	1.90535	.34396	-.13995	.00069	-.00163	-.00363
.156	22.525	.00000	35.68560	1.82242	.44513	-.36120	.00070	-.00295	-.00177
.156	24.530	.00000	35.71759	1.76769	.51469	-.65984	-.00536	.00081	-.00595
.156	26.288	.00000	35.92847	1.77530	.57352	-.76858	-.00055	-.00174	-.00439
	GRADIENT	.00000	.04680	.10498	.00084	-.02526	-.00003	-.00017	-.00058

(CA-8) K1V9.1.2TS2H15.1F20 (RJF017) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000

RUN NO. 17/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.882	.00000	35.21898	.13064	.07892	.13989	.00214	.00047	-.00804
.155	.199	.00000	35.19085	.35207	.07321	.08116	.00233	-.00025	-.00958
.155	2.258	.00000	35.17278	.56790	.07610	.02539	.00184	.00069	-.00757
.155	4.302	.00000	35.16494	.77735	.08724	-.01809	.00195	-.00001	-.01069
.155	5.361	.00000	35.28815	.88339	.09322	-.04261	.00172	.00005	-.01000
.155	6.348	.00000	35.28711	.97865	.10174	-.06678	.00179	-.00028	-.00952
.155	7.348	.00000	35.32743	1.06256	.11354	-.08521	.00168	-.00040	-.00932
.155	8.367	.00000	35.26120	1.16712	.12482	-.10774	.00188	-.00115	-.01022
.155	9.433	.00000	35.34006	1.24813	.14025	-.12376	.00178	-.00194	-.00915
.155	10.474	.00000	35.34342	1.34558	.15430	-.14990	.00144	-.00128	-.00650
.155	11.420	.00000	35.24201	1.42403	.17042	-.17154	.00194	-.00036	-.00781
.155	12.486	.00000	35.19804	1.52648	.18758	-.20107	.00118	-.00227	-.00789
.155	13.415	.00000	35.20824	1.60245	.20369	-.22730	.00115	-.00165	-.00625
.155	14.459	.00000	35.21248	1.69864	.22129	-.25603	.00078	-.00137	-.00534
.155	15.442	.00000	35.23967	1.75232	.24177	-.26769	.00051	-.00124	-.00477
.155	16.580	.00000	35.26100	1.81994	.26265	-.27625	.00048	-.00201	-.00539
.155	17.589	.00000	35.30128	1.87220	.28216	-.27345	.00031	-.00075	-.00443
.155	18.561	.00000	35.37767	1.90176	.30572	-.25946	.00015	-.00142	-.00630
.155	19.509	.00000	35.36629	1.92597	.32588	-.23430	.00080	-.00172	-.00387
.156	20.514	.00000	35.60863	1.91241	.35531	-.22619	.00092	-.00340	-.00203
.156	21.599	.00000	35.63687	1.85862	.41676	-.33756	.00055	-.00268	-.00280
.155	22.527	.00000	35.43272	1.85544	.45403	-.42983	.00083	-.00228	-.00140
.156	23.523	.00000	35.57901	1.81232	.49180	-.59909	-.00329	.00101	-.00622
.155	24.525	.00000	35.56110	1.78642	.52670	-.74183	-.00665	.00154	-.00565
.156	25.485	.00000	35.75804	1.78940	.55938	-.80841	-.00389	-.00046	-.00652
.156	26.287	.00000	35.90244	1.79076	.58385	-.84209	-.00029	-.00123	-.00610
	GRADIENT	.00000	-.00875	.10461	.00134	-.02571	-.00005	-.00002	-.00029

(CA-8) KIV9.1.2TS2H15.1F20G5.3.5 (RJF018) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000

RUN NO. 18/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.873	.00000	35.21840	.14864	.10524	.12451	.00175	.00250	-.00396
.155	.172	.00000	35.35028	.35565	.09810	.07104	.00143	-.00047	-.00608
.155	2.311	.00000	35.18533	.58922	.09878	.01218	.00123	.00040	-.00558
.155	4.376	.00000	35.29476	.79112	.10772	-.03483	.00121	.00041	-.00581
.155	6.348	.00000	35.30817	.97691	.12314	-.07889	.00159	.00038	-.00514
.155	8.425	.00000	35.16795	1.16438	.14599	-.11942	.00161	-.00017	-.00679
.154	10.334	.00000	35.06043	1.33979	.17072	-.16269	.00151	-.00045	-.00535
.154	12.433	.00000	35.12760	1.51797	.20374	-.21884	.00066	-.00234	-.00355
.155	14.567	.00000	35.15047	1.69279	.24122	-.27642	.00018	-.00213	-.00148
.155	16.481	.00000	35.18729	1.80508	.27605	-.29249	.00003	-.00158	-.00226
.155	18.454	.00000	35.31578	1.88794	.31735	-.27036	-.00029	-.00143	-.00125
.155	20.516	.00000	35.55345	1.87985	.37954	-.26102	.00139	-.00563	.00124
.155	22.546	.00000	35.55320	1.82486	.46952	-.45726	.00118	-.00248	-.00355
.156	24.571	.00000	35.94532	1.75949	.54156	-.76984	-.00394	.00009	-.00536
.157	26.275	.00000	36.04260	1.77365	.59582	-.83750	-.00041	-.00101	.00005
	GRADIENT	.00000	.00284	.10348	.00039	-.02571	-.00009	-.00026	-.00024

(CA-8) K1V9.1.2TS2H15.1F20 (RJF019) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	17.000

RUN NO. 19/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.827	.00000	35.23830	.10797	.08755	-.15563	.00181	.00010	-.00802
.155	.254	.00000	35.05926	.44929	.07788	-.25954	.00162	.00061	-.00670
.155	2.288	.00000	35.19027	.65567	.08313	-.31750	.00131	-.00113	-.00742
.155	4.334	.00000	35.19236	.87790	.09459	-.37383	.00144	-.00058	-.00635
.155	6.328	.00000	35.21674	1.07029	.11345	-.41781	.00119	-.00094	-.00175
.155	8.367	.00000	35.12177	1.24718	.13856	-.45479	.00126	-.00160	-.00453
.155	10.397	.00000	35.18626	1.42665	.16902	-.49403	.00164	-.00195	-.00504
.155	12.420	.00000	35.21506	1.61793	.20328	-.55007	.00139	-.00109	-.00530
.155	14.459	.00000	35.22314	1.78283	.24135	-.59706	.00101	-.00152	-.00438
.155	16.485	.00000	35.37013	1.89046	.28129	-.59712	.00081	-.00158	-.00493
.155	18.489	.00000	35.18959	1.96658	.32274	-.53903	.00061	-.00144	-.00473
.156	20.505	.00000	35.51636	1.95159	.37991	-.48723	.00164	-.00423	-.00136
.156	22.543	.00000	35.73210	1.89973	.47739	-.69404	.00105	-.00213	-.00283
.156	24.503	.00000	35.94494	1.84637	.55241	-1.00988	-.00646	.00144	-.00393
.157	26.379	.00000	36.03200	1.85597	.61519	-1.08406	-.00061	-.00076	-.00325
	GRADIENT	.00000	-.00279	.10714	.00090	-.03047	-.00006	-.00015	.00019

(CA-8) K1V9.1.2TS2H15.1F20 (RJF020) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	10.000

RUN NO. 20/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.786	.00000	35.41414	.07873	.08520	.01904	.00188	-.00010	-.00845
.155	.216	.00000	35.12316	.39393	.07443	-.07672	.00186	.00021	-.00736
.155	2.253	.00000	35.16668	.61569	.07708	-.13923	.00164	.00044	-.00617
.155	4.288	.00000	35.15449	.82894	.08773	-.19092	.00157	.00022	-.00758
.155	6.367	.00000	35.15811	1.01893	.10694	-.23908	.00156	-.00080	-.00623
.155	8.420	.00000	35.24397	1.21131	.13030	-.28080	.00136	-.00092	-.00455
.155	10.401	.00000	35.13003	1.38482	.15966	-.32061	.00159	-.00110	-.00615
.155	12.455	.00000	35.19381	1.56860	.19293	-.37361	.00104	-.00110	-.00468
.155	14.479	.00000	35.21464	1.73896	.22967	-.42329	.00117	-.00183	-.00479
.155	16.506	.00000	35.19580	1.85303	.26935	-.43641	.00060	-.00177	-.00433
.155	18.565	.00000	35.33015	1.93358	.31304	-.39866	.00036	-.00105	-.00477
.155	20.537	.00000	35.47320	1.93003	.36770	-.35856	.00177	-.00435	-.00051
.156	22.521	.00000	35.56202	1.86840	.46249	-.57533	-.00005	-.00114	-.00288
.155	24.447	.00000	35.45060	1.81598	.53513	-.87082	-.00556	.00089	-.00563
.155	26.420	.00000	35.39134	1.82331	.60001	-.96899	-.00096	-.00103	-.00389
	GRADIENT	.00000	-.03445	.10626	.00024	-.02989	-.00005	.00005	.00018

(CA-8) KIV9.1.2TS2H15.1F20 (RJF021) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-10.000

RUN NO. 21/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.772	.00000	35.25427	-.04501	.09231	.48638	.00112	-.00059	-.00715
.155	-.174	.00000	35.20541	.26926	.07659	.41500	.00194	-.00044	-.00792
.155	2.264	.00000	35.21548	.49270	.07628	.36119	.00169	.00030	-.00650
.155	4.310	.00000	35.15563	.69280	.08394	.32085	.00138	.00008	-.00590
.155	6.320	.00000	35.18254	.88865	.09730	.27510	.00090	-.00005	-.00322
.155	8.356	.00000	35.16173	1.08173	.11795	.23503	.00132	-.00135	-.00594
.154	10.366	.00000	35.04495	1.26296	.14153	.19323	.00159	-.00093	-.00620
.155	12.394	.00000	35.25299	1.44556	.17143	.14598	.00091	-.00078	-.00463
.155	14.433	.00000	35.36156	1.60256	.20647	.09617	.00050	-.00199	-.00387
.155	16.440	.00000	35.32653	1.73150	.24038	.06067	.00023	-.00105	-.00197
.155	18.494	.00000	35.20639	1.82013	.28070	.04254	.00046	-.00142	-.00481
.156	20.448	.00000	35.55040	1.84345	.33206	.04389	.00126	-.00364	-.00197
.156	22.529	.00000	35.63815	1.78031	.42971	-.16355	.00191	-.00353	-.00106
.156	24.487	.00000	35.70301	1.71168	.49698	-.44913	-.00558	.00094	-.00746
.157	26.254	.00000	36.05641	1.72620	.55399	-.54954	-.00184	-.00058	-.00224
	GRADIENT	.00000	-.01224	.10465	-.00128	-.02364	.00003	.00012	.00020

(CA-8) K1V9.1.2TS2H15.1F20 (RJF022) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -23.000

RUN NO. 22/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.739	.00000	75.09860	-.10968	.11005	.76667	.00224	.00019	-.00956
.154	.214	.00000	34.99970	.22521	.08895	.67480	.00245	-.00091	-.01071
.155	2.258	.00000	35.17534	.42289	.08750	.62676	.00206	.00046	-.00716
.155	4.297	.00000	35.32448	.62689	.09287	.58374	.00259	-.00008	-.00949
.155	6.353	.00000	35.17088	.82738	.10484	.54512	.00197	.00033	-.00563
.155	8.352	.00000	35.17345	1.00742	.12258	.51650	.00176	-.00079	-.00743
.155	10.355	.00000	35.08657	1.17979	.14603	.48705	.00186	-.00146	-.00911
.155	12.394	.00000	35.17769	1.35794	.17265	.44875	.00175	-.00061	-.00731
.155	14.454	.00000	35.09356	1.53327	.20366	.40673	.00134	-.00123	-.00527
.155	16.482	.00000	35.29016	1.64855	.23578	.37746	.00065	-.00210	-.00700
.155	18.474	.00000	35.27327	1.74821	.27265	.33954	.00063	-.00170	-.00644
.155	20.482	.00000	35.39163	1.76181	.33036	.28036	.00251	-.00505	-.00075
.157	22.472	.00000	35.95244	1.71807	.41639	.11114	.00162	-.00258	-.00216
.156	24.465	.00000	35.88253	1.64177	.48127	-.16963	-.00554	.00192	-.00770
.156	26.596	.00000	35.91171	1.65509	.54800	-.29072	-.00059	-.00109	-.00496
	GRADIENT	.00000	.03392	.10437	-.00251	-.02602	.00003	.00001	.00015

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5 (RJF023) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -23.000

RUN NO. 23/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.632	.00000	35.39303	.42375	.19951	.61601	.00224	.00065	-.01024
.155	.284	.00000	35.11493	.74084	.19841	.53550	.00236	.00042	-.00942
.155	2.327	.00000	35.27424	.94154	.20726	.48755	.00209	-.00136	-.01172
.155	4.410	.00000	35.32577	1.13206	.22156	.44202	.00169	-.00203	-.01066
.155	6.367	.00000	35.03486	1.32192	.23934	.40535	.00246	.00054	-.01083
.155	8.466	.00000	35.21836	1.49713	.26574	.36631	.00276	-.00115	-.01306
.155	10.466	.00000	35.22487	1.65222	.29280	.33419	.00187	-.00181	-.01236
.155	12.458	.00000	35.18906	1.81013	.31874	.30402	.00178	-.00261	-.01225
.155	14.469	.00000	35.19246	1.91030	.34544	.29575	.00158	-.00014	-.00673
.155	16.505	.00000	35.39930	1.99515	.37316	.29524	.00096	-.00085	-.00858
.156	18.525	.00000	35.47583	2.03412	.41232	.31731	.00002	.00292	-.00664
.156	20.522	.00000	35.59509	1.97650	.44933	.34071	.00092	.00162	-.00863
.156	22.535	.00000	35.82815	1.85483	.53959	-.00031	.00228	.00104	-.00630
.156	24.491	.00000	35.74044	1.78225	.60369	-.27205	-.00480	-.00074	-.01012
.156	26.818	.00000	35.86269	1.72801	.67542	-.29657	-.00020	-.00510	.00177
	GRADIENT	.00000	-.00528	.10073	.00309	-.02472	-.00008	-.00041	-.00014

(CA-8) KIV9.1.2TS2H15.1F30G5.3.5 (RJF024) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -10.000

RUN NO. 24/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.780	.00000	35.18215	.58526	.18292	.31133	.00166	.00016	-.00784
.155	.283	.00000	35.16858	.81615	.18721	.24914	.00224	-.00010	-.00979
.155	2.447	.00000	35.17490	1.01374	.20142	.20462	.00116	-.00152	-.01016
.155	4.399	.00000	35.34089	1.20541	.21729	.16043	.00171	-.00202	-.01100
.155	6.375	.00000	35.17478	1.38577	.23947	.12464	.00226	-.00022	-.01034
.155	8.576	.00000	35.03186	1.57623	.26928	.07654	.00166	-.00087	-.00730
.155	10.609	.00000	35.16498	1.74633	.29857	.03438	.00185	-.00229	-.00961
.155	12.617	.00000	35.20048	1.89354	.32646	-.00385	.00142	-.00244	-.00941
.155	14.526	.00000	35.22236	1.99622	.35538	-.02167	.00099	-.00225	-.00872
.155	16.573	.00000	35.27042	2.07358	.39088	-.02944	.00047	-.00109	-.00604
.155	18.557	.00000	35.33887	2.10810	.42624	.00658	.00023	.00154	-.00635
.156	20.561	.00000	35.48249	2.03562	.46993	.03692	.00044	.00279	-.00682
.156	22.541	.00000	35.59342	1.90900	.55643	-.22973	.00236	.00036	-.00513
.156	24.551	.00000	35.79857	1.83308	.62402	-.49455	-.00352	-.00126	-.01069
.157	26.536	.00000	36.12889	1.78696	.68642	-.52618	-.00015	-.00464	.00215
	GRADIENT	.00000	.02297	.09941	.00566	-.02402	-.00005	-.00039	-.00048

(CA-8) K1V9.1.2TS2H15.1F3005.3.5 (RJF025) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -10.000

RUN NO. 25/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.807	.00000	35.26944	.57947	.18549	.31101	.00151	-.00046	-.00705
.155	.266	.00000	35.15725	.81250	.18959	.24711	.00161	-.00037	-.00692
.155	2.430	.00000	35.22689	1.01353	.20326	.20139	.00124	-.00239	-.01144
.155	4.421	.00000	35.19792	1.20952	.21999	.16136	.00191	-.00167	-.01089
.155	6.546	.00000	35.14184	1.40619	.24283	.12287	.00188	-.00187	-.00966
.155	8.567	.00000	35.19957	1.57214	.27115	.07881	.00170	-.00150	-.00847
.155	10.449	.00000	35.03933	1.73142	.29861	.03760	.00220	-.00094	-.00840
.155	12.545	.00000	35.23708	1.88882	.32782	-.00213	.00164	-.00110	-.00802
.155	14.501	.00000	35.20622	1.99088	.35501	-.02128	.00092	-.00092	-.00426
.155	16.539	.00000	35.25932	2.08121	.38850	-.02585	.00037	-.00104	-.00705
.155	18.616	.00000	35.33063	2.11280	.43118	.00123	.00032	.00130	-.00739
.156	20.661	.00000	35.48323	2.02640	.47566	.03504	.00087	.00115	-.00517
.156	22.563	.00000	35.67238	1.89801	.56001	-.25078	-.00001	.00073	-.00726
.156	24.463	.00000	35.79295	1.83205	.62218	-.49524	-.00467	.00115	-.00698
.156	26.515	.00000	35.81262	1.78703	.68782	-.52939	-.00068	-.00570	-.00038
	GRADIENT	.00000	-.00686	.10030	.00561	-.02374	.00004	-.00027	-.00078

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5 (RJF026) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	10.000

RUN NO. 26/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.777	.00000	35.13541	.69767	.17147	-.16067	.00178	-.00005	-.00765
.155	.348	.00000	35.04745	.93582	.18191	-.23103	.00212	-.00141	-.01112
.155	2.427	.00000	35.02353	1.13547	.19962	-.28466	.00161	-.00161	-.01212
.155	4.442	.00000	35.13854	1.33235	.22097	-.33834	.00165	-.00185	-.01091
.155	6.518	.00000	35.24305	1.52710	.24820	-.38653	.00216	-.00188	-.01161
.155	8.571	.00000	35.20722	1.70737	.27935	-.43900	.00182	-.00105	-.00924
.155	10.548	.00000	35.29142	1.86541	.31193	-.48282	.00158	-.00205	-.00859
.155	12.594	.00000	35.25795	2.02573	.34266	-.52535	.00149	-.00193	-.00926
.155	14.602	.00000	35.02955	2.12637	.37706	-.54219	.00095	-.00170	-.00767
.155	16.639	.00000	35.16978	2.21550	.41383	-.54250	.00061	-.00110	-.00707
.155	18.510	.00000	35.31085	2.23219	.45550	-.49942	.00019	.00175	-.00630
.156	20.619	.00000	35.52147	2.12793	.49876	-.36852	.00080	.00120	-.00637
.156	22.488	.00000	35.68669	1.98301	.58223	-.58443	.00048	.00069	-.00863
.156	24.632	.00000	35.70534	1.91102	.65528	-.84204	-.00467	-.00092	-.00791
.157	26.447	.00000	36.19881	1.87728	.71793	-.87936	-.00151	-.00535	-.00166
	GRADIENT	.00000	-.00096	.10149	.00800	-.02831	-.00004	-.00027	-.00053

(CA-8) KIV9.1.2TS2H15.1F30G5.3.5 (RJF027) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = 17.000

RUN NO. 27/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.804	.00000	35.11921	.73154	.17507	-.33178	.00132	-.00064	-.00757
.155	.262	.00000	35.11236	.96562	.18570	-.40031	.00209	.00061	-.00795
.155	2.396	.00000	35.16340	1.19021	.20423	-.46464	.00144	-.00042	-.00911
.155	4.480	.00000	35.10738	1.38103	.22927	-.51576	.00189	-.00170	-.01039
.155	6.556	.00000	35.15553	1.59747	.25621	-.56518	.00208	-.00270	-.01043
.155	8.536	.00000	35.20249	1.76211	.28795	-.61337	.00179	-.00167	-.00904
.155	10.601	.00000	35.22138	1.92549	.32239	-.65701	.00162	-.00248	-.00830
.155	12.529	.00000	35.12843	2.05724	.35733	-.69566	.00113	-.00209	-.00612
.155	14.421	.00000	35.26509	2.16616	.38947	-.70370	.00211	-.00131	-.00911
.156	16.634	.00000	35.46739	2.25270	.43124	-.69709	.00225	-.00114	-.01159
.155	18.605	.00000	35.40482	2.26657	.47595	-.64555	.00109	.00298	-.00750
.156	20.591	.00000	35.56265	2.15180	.51500	-.49257	.00213	.00033	-.00524
.156	22.533	.00000	35.65892	2.00150	.59585	-.68305	.00190	.00179	-.00694
.156	24.582	.00000	35.87511	1.93382	.66851	-.95000	-.00435	.00027	-.01127
.157	26.401	.00000	36.01711	1.90690	.73242	-.97430	.00123	-.00238	-.00236
	GRADIENT	.00000	.00078	.10354	.00863	-.02936	.00005	-.00020	-.00046

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5 (RJF028) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -6.000 ELEVTR = .000

RUN NO. 28/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.846	.00000	35.21666	.61146	.17959	.16771	.00321	-.00005	-.01138
.155	.316	.00000	35.12482	.85120	.18661	.09155	.00451	.00007	-.00991
.155	2.456	.00000	35.04221	1.07115	.20085	.03312	.00477	-.00166	-.01530
.155	4.459	.00000	35.19659	1.26087	.21947	-.01148	.00444	-.00220	-.01427
.155	6.468	.00000	35.02170	1.45685	.24128	-.04934	.00467	-.00273	-.01747
.155	8.610	.00000	35.16268	1.63263	.27274	-.09290	.00407	-.00173	-.01392
.155	10.495	.00000	35.07056	1.78867	.30175	-.13848	.00349	-.00215	-.01120
.155	12.532	.00000	35.15922	1.93532	.33188	-.17633	.00327	-.00211	-.01089
.155	14.498	.00000	35.23082	2.04703	.36002	-.19477	.00281	-.00127	-.00991
.155	16.602	.00000	35.20915	2.13434	.39624	-.19281	.00253	.00014	-.00813
.155	18.598	.00000	35.19514	2.15457	.43870	-.15441	.00227	.00186	-.01090
.155	20.571	.00000	35.41248	2.04661	.48490	-.12025	.00365	-.00250	-.00269
.155	22.556	.00000	35.43890	1.92581	.56528	-.34119	.00285	.00161	-.00563
.157	24.589	.00000	35.97308	1.85701	.63259	-.59159	-.00332	.00047	-.00975
.157	26.406	.00000	36.31780	1.81895	.68859	-.63229	.00045	-.00136	-.00054
	GRADIENT	.00000	-.00728	.10304	.00634	-.02835	.00019	-.00039	-.00067

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5 (RJF029) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000

RUN NO. 29/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.724	.00000	35.23801	.64998	.17731	.05454	.00394	.00024	-.01069
.155	.319	.00000	35.21162	.88452	.18483	-.00586	.00452	.00002	-.01269
.155	2.482	.00000	35.19878	1.09841	.20097	-.05536	.00398	-.00200	-.01521
.155	4.418	.00000	35.19312	1.27925	.22024	-.09562	.00468	-.00151	-.01697
.155	6.466	.00000	35.23205	1.47973	.24381	-.14022	.00460	-.00187	-.01686
.155	8.380	.00000	35.19540	1.63697	.27333	-.18068	.00382	-.00134	-.01281
.155	10.466	.00000	35.19817	1.81214	.30461	-.22572	.00354	-.00235	-.01412
.155	12.552	.00000	35.20583	1.96482	.33649	-.26403	.00275	-.00231	-.01077
.155	14.591	.00000	35.27829	2.06644	.36658	-.28091	.00244	-.00086	-.00961
.155	16.592	.00000	35.20559	2.15271	.40191	-.28066	.00216	-.00122	-.01050
.155	18.516	.00000	35.35639	2.16792	.44036	-.23736	.00145	.00310	-.00939
.156	20.563	.00000	35.52556	2.06884	.48846	-.18262	.00241	.00020	-.00284
.156	22.407	.00000	35.54662	1.94342	.56520	-.39574	.00159	.00167	-.00766
.156	24.379	.00000	35.90125	1.87413	.63365	-.65517	-.00433	.00090	-.00872
.158	26.410	.00000	36.46772	1.83971	.69850	-.69718	-.00007	-.00231	-.00170
	GRADIENT	.00000	-.00718	.10211	.00703	-.02430	.00008	-.00036	-.00104

(CA-8) KIV9.1.2TS2H15.1F30G5.3.5 (RJF030) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000

RUN NO. 30/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.744	.00000	35.23012	.67892	.17378	-.03390	.00413	-.00066	-.01172
.155	.307	.00000	35.27458	.90643	.18359	-.09256	.00422	-.00041	-.01056
.155	2.378	.00000	35.08725	1.10220	.20020	-.13825	.00354	-.00144	-.01513
.155	4.385	.00000	35.20734	1.30108	.21991	-.18501	.00412	-.00217	-.01709
.155	5.460	.00000	35.21708	1.41144	.23220	-.20877	.00388	-.00174	-.01472
.155	6.481	.00000	35.21577	1.49864	.24435	-.23128	.00396	-.00045	-.01322
.155	7.488	.00000	35.02809	1.58663	.26122	-.25490	.00346	-.00160	-.01378
.155	8.511	.00000	35.03047	1.66942	.27566	-.27283	.00407	-.00160	-.01473
.155	9.510	.00000	35.03554	1.74876	.29128	-.29325	.00395	-.00171	-.01482
.155	10.468	.00000	35.04366	1.83584	.30683	-.31876	.00330	-.00197	-.01396
.155	11.446	.00000	35.07548	1.90729	.32319	-.33636	.00302	-.00245	-.01093
.155	12.554	.00000	35.20880	1.97761	.33794	-.35734	.00265	-.00286	-.01085
.155	13.517	.00000	35.21258	2.04474	.35295	-.36858	.00192	-.00052	-.00809
.155	14.477	.00000	35.22317	2.09381	.36743	-.37606	.00228	-.00057	-.00942
.155	15.557	.00000	35.26316	2.13780	.38648	-.38032	.00151	-.00105	-.00891
.155	16.481	.00000	35.32478	2.17017	.40536	-.37810	.00183	-.00073	-.00919
.155	17.540	.00000	35.29442	2.19212	.42458	-.36248	.00166	.00019	-.00942
.155	18.501	.00000	35.36309	2.19501	.44673	-.33461	.00141	.00212	-.01152
.155	19.589	.00000	35.42674	2.16151	.46554	-.27607	.00130	.00159	-.00847
.156	20.581	.00000	35.54598	2.07618	.49602	-.27001	.00313	-.00229	-.00239
.156	21.567	.00000	35.55985	1.99564	.53861	-.34922	.00267	.00131	-.00764
.156	22.537	.00000	35.60364	1.95603	.57504	-.46742	.00145	.00066	-.00778
.157	23.447	.00000	36.09745	1.91526	.61153	-.63909	-.00201	.00192	-.00768
.156	24.452	.00000	35.77712	1.88652	.64411	-.73495	-.00438	.00080	-.01067
.157	25.454	.00000	36.09796	1.86827	.67497	-.77440	-.00017	.00149	-.00515
.157	26.378	.00000	36.01610	1.85056	.70522	-.77514	.00123	-.00209	-.00166
	GRADIENT	.00000	-.01264	.10081	.00757	-.02439	-.00004	-.00027	-.00101

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5 (RJF031) (18 JUN /6)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000

RUN NO. 31/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.704	.00000	35.23537	.67282	.17192	-.02967	.00185	-.00009	-.00375
.155	.279	.00000	35.22109	.90356	.18122	-.08736	.00273	.00027	-.00862
.155	2.330	.00000	35.21397	1.11227	.19617	-.13562	.00226	.00000	-.00751
.155	4.315	.00000	35.27435	1.29937	.21682	-.18011	.00241	-.00092	-.01078
.155	5.409	.00000	35.15428	1.39609	.23082	-.20180	.00206	-.00160	-.00892
.155	6.462	.00000	35.01927	1.48626	.24533	-.22432	.00210	-.00206	-.00802
.155	7.458	.00000	35.04360	1.59409	.25849	-.25122	.00220	-.00194	-.00885
.155	8.513	.00000	35.03199	1.67708	.27398	-.27408	.00207	-.00072	-.00742
.155	9.555	.00000	35.04714	1.76175	.29140	-.29520	.00226	-.00152	-.00865
.155	10.551	.00000	35.15280	1.83536	.30781	-.31676	.00233	-.00281	-.00801
.155	11.548	.00000	35.06625	1.91793	.32458	-.33454	.00168	-.00243	-.00681
.155	12.550	.00000	35.20279	1.99924	.33616	-.35760	.00188	-.00121	-.00616
.155	13.716	.00000	35.21376	2.06709	.35443	-.36932	.00163	-.00066	-.00587
.155	14.521	.00000	35.22906	2.10665	.36897	-.37615	.00131	-.00124	-.00653
.155	15.477	.00000	35.26557	2.13867	.38745	-.38088	.00081	-.00151	-.00501
.155	16.529	.00000	35.15252	2.18208	.40750	-.37705	.00061	-.00141	-.00435
.155	17.495	.00000	35.15348	2.20222	.42585	-.36289	.00104	-.00091	-.00674
.155	18.530	.00000	35.28700	2.19106	.44471	-.31844	.00080	.00213	-.00545
.155	19.646	.00000	35.41458	2.15918	.46992	-.27115	-.00058	.00364	-.00293
.156	20.499	.00000	35.53259	2.09392	.49073	-.23923	.00042	.00308	-.00513
	GRADIENT	.00000	.00544	.10385	.00744	-.02484	.00006	-.00014	-.00099

(CA-8) KIV9.1.2TS2 F30G5.3.5 (RJF032) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 32/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.720	.00000	35.23682	.76576	.16889	-.39690	.00149	-.00089	-.00572
.155	.369	.00000	35.04976	.99690	.17972	-.40823	.00170	-.00013	-.00781
.155	2.260	.00000	35.03200	1.16421	.19732	-.40384	.00132	-.00184	-.00924
.155	3.297	.00000	35.09134	1.26499	.20716	-.40016	.00180	-.00125	-.01098
.155	4.421	.00000	35.13602	1.36764	.21895	-.39449	.00212	.00032	-.01010
.155	5.426	.00000	35.03748	1.45828	.23148	-.38642	.00221	-.00131	-.01172
.155	6.542	.00000	35.05435	1.55130	.24570	-.37426	.00287	-.00062	-.01236
.155	7.506	.00000	35.12677	1.62130	.25975	-.36934	.00279	-.00151	-.01304
.155	8.559	.00000	35.21142	1.70611	.27511	-.36102	.00242	-.00121	-.01115
.155	9.421	.00000	35.30061	1.76446	.28834	-.35411	.00251	-.00157	-.01169
.155	10.464	.00000	35.26782	1.84568	.30289	-.34551	.00228	-.00223	-.01124
.155	11.464	.00000	35.13801	1.91957	.31704	-.33691	.00218	-.00186	-.01042
.155	12.456	.00000	35.05678	1.98863	.33063	-.32726	.00274	-.00182	-.01379
.155	13.499	.00000	35.20932	2.04575	.34445	-.31190	.00191	-.00077	-.01066
.155	14.463	.00000	35.20945	2.08147	.35860	-.29507	.00243	-.00048	-.01178
.155	15.543	.00000	35.25174	2.12702	.37550	-.27074	.00228	.00003	-.01065
.155	16.461	.00000	35.26871	2.15018	.39082	-.24514	.00182	-.00107	-.01136
.155	17.483	.00000	35.14792	2.16590	.41188	-.21521	.00164	.00065	-.01123
.155	18.476	.00000	35.35841	2.15942	.42975	-.17885	.00160	.00136	-.01132
.155	19.492	.00000	35.25785	2.13701	.45103	-.14449	.00181	.00350	-.01267
.155	20.430	.00000	35.34719	2.07280	.47412	-.13807	.00238	-.00081	-.00676
.156	21.453	.00000	35.52112	1.97789	.51883	-.17375	.00308	.00045	-.00438
.156	22.482	.00000	35.58961	1.90417	.55204	-.20959	.00042	.00114	-.01060
.156	23.413	.00000	35.88617	1.82180	.57536	-.26985	-.00440	.00315	-.01302
.156	24.470	.00000	35.84981	1.78065	.59866	-.28441	-.00454	.00140	-.01421
.157	25.399	.00000	36.12352	1.75294	.62370	-.27645	-.00036	-.00006	-.00576
.157	26.285	.00000	36.11378	1.73345	.64921	-.25615	.00084	-.00342	-.00544
	GRADIENT	.00000	-.01501	.09719	.00824	.00055	.00008	.00005	-.00081

(CA-8) K1V9.1.2TS3 F30G5.3.5 (RJF034) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 34/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.750	.00000	35.18082	.79041	.16212	-.40253	.00206	-.00052	-.00947
.155	.283	.00000	35.12172	.98712	.17565	-.40695	.00189	-.00070	-.01115
.155	2.315	.00000	35.06537	1.17811	.19341	-.40423	.00188	-.00078	-.01070
.155	4.435	.00000	35.18785	1.37222	.21493	-.39173	.00245	-.00101	-.01359
.155	5.394	.00000	35.18287	1.46377	.22587	-.38249	.00289	-.00039	-.01221
.155	6.403	.00000	35.19177	1.53558	.24030	-.37531	.00262	-.00170	-.01386
.155	7.468	.00000	35.21879	1.61524	.25724	-.36876	.00239	-.00160	-.01209
.155	8.437	.00000	35.13111	1.70005	.26875	-.35944	.00301	-.00168	-.01446
.155	9.427	.00000	35.03843	1.77624	.28411	-.35017	.00275	-.00144	-.01275
.155	10.447	.00000	35.11069	1.84886	.30013	-.34215	.00253	-.00290	-.01360
.155	11.464	.00000	35.17748	1.92065	.31424	-.33220	.00263	-.00168	-.01338
.155	12.551	.00000	35.21250	1.99327	.32938	-.32233	.00255	-.00235	-.01382
.155	13.512	.00000	35.30185	2.04394	.34276	-.30669	.00231	-.00098	-.01373
.155	14.499	.00000	35.06788	2.08528	.35578	-.28729	.00258	-.00148	-.01526
.155	15.469	.00000	35.11131	2.11658	.37358	-.26946	.00247	-.00052	-.01413
.155	16.480	.00000	35.11626	2.15139	.38981	-.24015	.00187	-.00120	-.01253
.155	17.450	.00000	35.19178	2.17511	.40588	-.21116	.00288	-.00225	-.01713
.155	18.603	.00000	35.32250	2.15979	.42947	-.17080	.00168	.00227	-.01103
.155	19.573	.00000	35.30207	2.14133	.45082	-.14480	.00212	.00186	-.01202
.155	20.608	.00000	35.37309	2.06702	.47771	-.13563	.00217	.00111	-.00822
.155	21.578	.00000	35.36520	1.96743	.52151	-.18225	.00329	-.00020	-.00777
.156	22.471	.00000	35.61175	1.91003	.54965	-.21462	.00240	.00048	-.00960
.156	23.451	.00000	35.84162	1.82684	.57271	-.26337	-.00220	.00187	-.01226
.157	24.447	.00000	35.97041	1.79072	.59735	-.27872	-.00467	.00153	-.01405
.157	25.442	.00000	35.98499	1.75799	.62355	-.25619	-.00201	-.00332	-.00802
.157	26.285	.00000	35.95825	1.73557	.64856	-.24290	-.00097	-.00504	-.00413
	GRADIENT	.00000	-.00149	.09405	.00857	.00172	.00006	-.00008	-.00058

(CA-8) K2V9.1.2TS2F30H15.6.1G5.3.5TS401 (RJF035) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 35/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.823	.00000	35.19511	.53303	.20838	.07759	.00016	-.00059	-.01215
.155	.272	.00000	35.12685	.77739	.21360	.01938	.00036	.00164	-.00820
.155	2.367	.00000	35.20501	1.01398	.22361	-.03166	.00081	.00024	-.01287
.155	4.461	.00000	35.16323	1.20807	.24158	-.06812	.00114	.00008	-.01457
.155	6.438	.00000	35.28844	1.38232	.26536	-.08776	.00093	-.00028	-.01029
.155	8.528	.00000	35.25476	1.58037	.29094	-.11326	.00132	-.00055	-.01120
.155	10.488	.00000	35.30162	1.74699	.32110	-.13674	.00109	-.00055	-.00927
.155	12.534	.00000	35.11212	1.92799	.35015	-.17336	.00096	-.00232	-.01184
.155	14.535	.00000	35.21880	2.03807	.38561	-.18441	.00004	-.00165	-.00896
.155	16.519	.00000	35.26246	2.13984	.42142	-.18687	.00058	-.00035	-.00898
.155	18.655	.00000	35.34393	2.19688	.46727	-.14649	.00086	.00317	-.00737
.156	20.590	.00000	35.47687	2.19892	.51873	-.08724	.00039	.00507	-.00918
.156	22.658	.00000	35.61697	2.17137	.58291	-.05708	.00099	.00075	-.00562
.156	24.603	.00000	35.78959	2.10661	.67148	-.10256	-.00209	-.00400	.00383
.157	26.806	.00000	35.98137	2.05048	.78515	-.18267	-.00897	-.01270	.01192
	GRADIENT	.00000	-.00083	.10797	.00523	-.02331	.00016	.00003	-.00057

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401 (RJF036) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 36/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.791	.00000	35.21870	.54424	.20844	.07695	.00023	-.00003	-.00973
.155	.264	.00000	35.24866	.77366	.21283	.01877	.00024	.00092	-.00952
.155	2.330	.00000	35.22441	.98725	.22533	-.02514	.00062	-.00034	-.01436
.155	4.420	.00000	35.24625	1.19231	.24341	-.06373	.00066	-.00128	-.01420
.155	6.488	.00000	35.27711	1.39477	.26562	-.08885	.00082	-.00160	-.01481
.155	8.574	.00000	35.33472	1.60001	.28987	-.11096	.00122	-.00003	-.01184
.155	10.564	.00000	35.16901	1.74199	.32258	-.13617	.00079	-.00142	-.00862
.155	12.592	.00000	34.97262	1.92639	.35273	-.17198	.00102	-.00068	-.01141
.155	14.565	.00000	35.13128	2.05173	.38580	-.18259	.00025	-.00069	-.01062
.155	16.595	.00000	35.27169	2.15010	.42387	-.18243	.00074	-.00104	-.01003
.156	18.587	.00000	35.42153	2.19988	.46933	-.15318	.00086	.00252	-.00863
.156	20.559	.00000	35.61032	2.20143	.51988	-.09324	-.00026	.00559	-.00695
.156	22.594	.00000	35.59977	2.17299	.58281	-.05542	.00092	.00053	-.00780
.156	24.641	.00000	35.57815	2.11329	.67136	-.09117	-.00087	-.00520	-.00159
.156	26.788	.00000	35.54711	2.04733	.78522	-.19368	-.01042	-.01308	.00444
	GRADIENT	.00000	.00282	.10424	.00568	-.02250	.00008	-.00024	-.00088

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401 (RJF037) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 37/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.826	.00000	35.03682	.54156	.20433	-.00787	.00036	.00184	-.01108
.155	.286	.00000	35.16246	.80217	.21012	-.07188	.00055	.00000	-.01583
.155	2.419	.00000	35.22397	1.02851	.22285	-.11570	.00045	-.00014	-.01395
.155	4.444	.00000	35.35779	1.21795	.24224	-.14766	.00040	-.00239	-.01337
.155	6.492	.00000	35.30964	1.41665	.26549	-.17116	.00107	.00092	-.01262
.155	8.630	.00000	35.11768	1.61314	.29351	-.20215	.00094	-.00183	-.01357
.155	10.528	.00000	35.25425	1.77508	.32336	-.23317	.00014	-.00211	-.00354
.155	12.598	.00000	35.24904	1.93039	.35998	-.26848	.00086	-.00347	-.01530
.155	14.653	.00000	35.20879	2.07764	.39300	-.28363	.00030	-.00137	-.01050
.155	16.534	.00000	35.27729	2.16831	.42695	-.28338	.00005	-.00098	-.01008
.156	18.567	.00000	35.47111	2.22315	.47484	-.25035	.00074	.00308	-.00934
.156	20.587	.00000	35.51905	2.22304	.52789	-.18857	-.00112	.00700	-.00443
.156	22.569	.00000	35.61685	2.19340	.58774	-.13823	-.00050	.00172	-.00438
.156	24.574	.00000	35.62066	2.12304	.67739	-.17580	-.00178	-.00427	-.00240
.156	26.784	.00000	35.63990	2.06700	.79312	-.25230	-.01006	-.01183	.00807
	GRADIENT	.00000	.04886	.10776	.00602	-.02214	.00000	-.00061	-.00024

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401 (RJF038) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 38/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.726	.00000	35.11492	.47144	.19971	-.07139	.00049	.00156	-.01108
.155	.283	.00000	35.07360	.81512	.20882	-.15152	.00010	-.00064	-.01403
.155	2.405	.00000	34.98438	1.05589	.22179	-.19769	.00057	.00048	-.01362
.155	4.477	.00000	34.98251	1.24197	.24252	-.22991	.00055	-.00156	-.01410
.155	5.516	.00000	35.08261	1.35007	.25410	-.24835	.00046	-.00133	-.01369
.155	6.251	.00000	35.09260	1.41279	.26353	-.25976	.00046	-.00080	-.01160
.155	7.511	.00000	35.04211	1.53286	.28060	-.28098	.00060	-.00147	-.01202
.155	8.519	.00000	35.02648	1.62503	.29543	-.29948	.00027	-.00181	-.01063
.155	9.474	.00000	35.06267	1.70603	.31036	-.31366	.00054	-.00101	-.00987
.155	10.585	.00000	35.10584	1.80484	.32863	-.33463	.00049	-.00039	-.00999
.155	11.578	.00000	35.11659	1.89213	.34580	-.35448	-.00004	-.00257	-.01097
.155	12.584	.00000	35.09869	1.96730	.36298	-.37141	.00065	-.00142	-.01241
.155	13.578	.00000	35.18785	2.04335	.37790	-.38422	.00062	-.00019	-.01072
.155	14.624	.00000	35.23168	2.10972	.39623	-.38684	.00009	-.00010	-.00890
.155	15.637	.00000	35.25011	2.16505	.41225	-.38846	.00033	-.00079	-.01139
.155	16.611	.00000	35.32553	2.20151	.43442	-.38568	.00038	-.00042	-.01262
.156	17.637	.00000	35.44014	2.24516	.45757	-.37758	.00110	-.00167	-.01106
.156	18.688	.00000	35.50448	2.24768	.48113	-.34197	-.00002	.00326	-.00694
.155	19.477	.00000	35.31677	2.24774	.50172	-.30715	-.00088	.00692	-.00115
.156	20.515	.00000	35.39950	2.24604	.53185	-.28010	-.00048	.00372	-.00738
.156	21.579	.00000	35.42426	2.23884	.56386	-.24800	-.00046	.00341	-.00866
.155	22.577	.00000	35.38790	2.21318	.59709	-.22160	-.00001	.00011	-.00587
.156	23.661	.00000	35.43000	2.17422	.64249	-.22363	.00017	-.00424	-.00467
.156	24.594	.00000	35.68987	2.14646	.68743	-.25007	-.00192	-.00554	.00044
.157	25.617	.00000	35.96654	2.11973	.73524	-.29037	-.00116	-.00668	-.00438
.157	26.972	.00000	35.88442	2.06995	.80795	-.35011	-.00899	-.01476	.00212
	GRADIENT	.00000	-.02044	.10796	.00582	-.02221	.00002	-.00035	-.00039

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401 (RJF039) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = 17.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 39/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.766	.00000	35.32217	.55721	.20016	-.40988	-.00020	-.00043	-.01210
.155	.311	.00000	35.23015	.89701	.21453	-.49627	.00011	-.00165	-.01301
.155	2.372	.00000	35.31679	1.13169	.23058	-.54561	.00031	-.00077	-.01238
.155	4.379	.00000	35.22171	1.32772	.25264	-.58791	.00051	-.00157	-.01298
.155	6.461	.00000	35.15206	1.53738	.28093	-.62228	.00052	-.00087	-.01179
.155	8.449	.00000	35.15371	1.71912	.31117	-.65761	.00027	-.00120	-.00811
.155	10.493	.00000	35.17217	1.87853	.34732	-.68964	.00032	-.00133	-.01064
.155	12.544	.01000	35.24128	2.05165	.38285	-.72725	.00041	-.00257	-.01536
.155	14.532	.01000	35.18944	2.19047	.41776	-.74479	-.00001	-.00111	-.01045
.155	16.588	.01000	35.33974	2.27982	.46255	-.74139	.00055	-.00108	-.01471
.155	18.585	.01000	35.33040	2.32649	.50653	-.69372	.00023	.00139	-.00933
.156	20.604	.01000	35.48051	2.31452	.56520	-.60693	-.00029	.00475	-.01060
.156	22.576	.01000	35.65457	2.27171	.62592	-.51804	.00009	.00148	-.00913
.157	24.546	.01000	35.91252	2.19588	.71208	-.49366	-.00171	-.00476	-.00540
.157	26.727	.01000	36.23373	2.14215	.82667	-.54203	-.00897	-.01412	.00424
	GRADIENT	.00000	-.00962	.10857	.00723	-.02501	.00010	-.00012	-.00009

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401 (RJF040) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA. =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	10.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 40/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.738	.00000	35.21890	.50862	.20112	-.22803	.00009	.00042	-.01107
.155	.307	.00000	35.17788	.86140	.21243	-.32011	.00004	.00066	-.01133
.155	2.336	.00000	35.16430	1.07000	.22723	-.36294	.00034	-.00136	-.01527
.155	4.382	.00000	35.15030	1.28154	.24651	-.40503	.00048	-.00149	-.01228
.155	6.461	.00000	35.15782	1.47591	.27310	-.43814	.00070	-.00114	-.01333
.155	8.427	.00000	35.13839	1.65406	.30306	-.47561	.00039	-.00234	-.01211
.155	10.430	.00000	35.17839	1.82873	.33644	-.50970	.00046	-.00027	-.00950
.155	12.511	.00000	35.18148	2.01126	.37266	-.54910	.00057	-.00171	-.01426
.155	14.525	.00000	35.20592	2.12999	.40725	-.56357	.00055	-.00055	-.01468
.155	16.551	.00000	35.23737	2.24148	.44452	-.56365	.00036	-.00085	-.01291
.155	18.564	.00000	35.33929	2.29000	.49746	-.53152	.00042	.00155	-.01259
.156	20.577	.00000	35.46984	2.27665	.54785	-.44620	-.00046	.00448	-.00793
.156	22.598	.00000	35.64310	2.24087	.61002	-.37393	-.00009	.00088	-.00748
.156	24.524	.00000	35.89908	2.16313	.69527	-.36826	-.00151	-.00483	-.00357
.157	26.761	.00000	36.22872	2.10426	.81230	-.43766	-.01015	-.01317	.00336
	GRADIENT	.00000	-.00957	.10842	.00631	-.02481	.00006	-.00032	-.00033

(CA-8) K2V9.1.2T55H15.6.1F30G5.3.5TS401 (RJF041) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -10.000
IOR8 = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 41/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.711	.00000	35.22022	.38799	.21179	.24805	.00021	-.00052	-.01568
.155	.308	.00000	35.18514	.73654	.21772	.17312	.00033	.00022	-.01256
.155	2.318	.00000	35.16363	.94607	.22683	.13302	.00027	-.00028	-.01069
.155	4.334	.00000	35.15497	1.13537	.24316	.09681	.00056	-.00068	-.01205
.155	6.370	.00000	35.14037	1.34250	.26294	.07825	.00118	-.00037	-.01192
.155	8.478	.00000	35.13870	1.52559	.28854	.05122	.00063	-.00097	-.01138
.155	10.403	.00000	35.14232	1.69002	.31644	.02579	.00069	-.00185	-.01413
.155	12.528	.00000	35.14275	1.86363	.34740	-.00855	.00058	-.00230	-.01539
.155	14.498	.00000	35.15531	1.99577	.37799	-.02423	.00075	-.00086	-.01357
.155	16.542	.00000	35.19499	2.10866	.41745	-.02609	-.00008	-.00049	-.00846
.155	18.556	.00000	35.26868	2.17396	.46175	.00382	.00015	.00344	-.00872
.155	20.539	.00000	35.39265	2.16002	.50953	.05651	-.00014	.00467	-.00984
.156	22.560	.00000	35.55376	2.11902	.56620	.08285	.00064	.00165	-.01013
.156	24.549	.00000	35.80602	2.07910	.65903	.01436	-.00141	-.00395	-.00269
.157	26.988	.00000	36.15034	2.00131	.77877	-.10557	-.00980	-.01362	.00694
	GRADIENT	.00000	-.00953	.10644	.00432	-.02151	.00004	-.00003	.00058

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF042) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 42/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.695	.00000	35.23322	.33028	.22899	.49693	.00059	-.00036	-.01298
.155	.231	.00000	35.19189	.65667	.22891	.43164	.00108	.00073	-.01195
.155	2.277	.00000	35.17455	.87418	.23880	.40505	.00086	.00001	-.01216
.155	4.303	.00000	35.16462	1.06072	.25299	.38313	.00054	-.00143	-.01087
.155	6.398	.00000	35.14517	1.26046	.26835	.35689	.00151	-.00114	-.01483
.155	8.435	.00000	35.13759	1.43794	.28924	.33321	.00103	-.00107	-.01201
.155	10.491	.00000	35.13743	1.63090	.31877	.29251	.00006	-.00103	-.01537
.155	12.499	.00000	35.15916	1.77995	.35309	.23444	-.00172	-.00101	-.00960
.155	14.476	.00000	35.15257	1.93075	.37828	.22422	-.00108	.00147	-.00833
.155	16.522	.00000	35.18370	2.03060	.41082	.23489	-.00105	.00076	-.01082
.155	18.522	.00000	35.25694	2.09371	.45393	.25904	-.00134	.00211	-.00988
.155	20.525	.00000	35.37601	2.08227	.50027	.31763	-.00134	.00579	-.01235
.156	22.571	.00000	35.52603	2.07104	.55886	.32986	-.00092	.00230	-.00425
.156	24.513	.00000	35.76056	1.99432	.63731	.21626	-.00173	-.00339	-.00415
.157	27.012	.00000	36.11764	1.94948	.76929	.06854	-.01030	-.01138	.00642
	GRADIENT	.00000	-.00989	.10492	.00339	-.01625	-.00001	-.00015	.00027

(CA-8) K2V9.1.2TS5F30G5.3.5TS401 (RJF043) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 43/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.853	.00000	35.21008	.52104	.19588	-.32380	.00042	.00016	-.01003
.155	.334	.00000	35.17744	.87309	.20763	-.36069	.00067	.00039	-.01157
.155	2.341	.00000	35.16485	1.07694	.22257	-.36665	.00028	.00012	-.01277
.155	4.399	.00000	35.15657	1.27475	.24256	-.36907	.00036	-.00183	-.01338
.155	6.414	.00000	35.15086	1.46153	.26582	-.36432	.00065	-.00034	-.01557
.155	8.447	.00000	35.16034	1.61631	.29354	-.36407	.00083	.00032	-.01304
.155	10.436	.00000	35.16729	1.78911	.32578	-.36358	.00099	-.00080	-.01454
.155	12.474	.00000	35.16614	1.94656	.35464	-.36152	.00066	-.00132	-.01296
.155	14.512	.00000	35.18556	2.08451	.39037	-.34736	.00072	-.00034	-.01476
.155	16.532	.00000	35.22749	2.17841	.42763	-.32041	.00020	-.00020	-.01484
.155	18.562	.00000	35.30599	2.23578	.47260	-.27450	-.00002	.00308	-.01292
.155	20.592	.00000	35.43970	2.22730	.52549	-.21423	.00067	.00495	-.01359
.156	22.563	.00000	35.60903	2.18212	.58425	-.16406	.00119	.00167	-.01318
.156	24.521	.00000	35.88766	2.10484	.67917	-.11516	-.00712	-.01230	.00023
.157	26.939	.00000	36.18874	2.00710	.77731	-.09888	-.00996	-.01072	.00746
	GRADIENT	.00000	-.00746	.10413	.00635	-.00628	-.00002	-.00024	-.00048

(CA-8) K3V9.1.2TS5 F30G5.3.5TS401 (RJF044) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 44/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.865	.00000	35.20323	.55677	.19297	-.32560	.00075	.00138	-.01433
.155	.349	.00000	35.17302	.91591	.20760	-.36261	.00085	.00031	-.01211
.155	2.318	.00000	35.16258	1.12168	.22447	-.36963	.00028	-.00141	-.01740
.155	4.417	.00000	35.15654	1.32045	.24638	-.37055	.00083	-.00067	-.01558
.155	6.401	.00000	35.16256	1.50188	.27450	-.36976	.00098	-.00028	-.01210
.155	8.515	.00000	35.16280	1.68194	.30325	-.36679	.00124	-.00058	-.01507
.155	10.524	.00000	35.17924	1.84656	.33902	-.36554	.00163	-.00099	-.01612
.155	12.528	.00000	35.19752	2.00059	.37611	-.36899	.00195	-.00084	-.01648
.155	14.524	.00000	35.20791	2.13934	.40903	-.34723	.00147	-.00090	-.01505
.155	16.542	.00000	35.26076	2.22268	.44896	-.31203	.00107	.00083	-.01067
.155	18.582	.00000	35.34903	2.27863	.49785	-.25876	.00099	.00405	-.01004
.156	20.572	.00000	35.48792	2.27116	.55295	-.19872	.00244	.00409	-.01387
.156	22.566	.00000	35.66803	2.24133	.61918	-.14824	.00256	.00179	-.01043
.157	24.533	.00000	35.91842	2.16808	.70304	-.11332	.00103	-.00331	-.00927
.157	26.930	.00000	36.25971	2.06964	.81599	-.05408	-.00645	-.01270	.00142
	GRADIENT	.00000	-.00650	.10527	.00727	-.00628	-.00001	-.00034	-.00034

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF045) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 45/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.748	.00000	35.21398	.47909	.19956	.06299	.00097	.00063	-.01739
.155	.337	.00000	35.17661	.82772	.20764	-.02069	.00145	.00057	-.01619
.155	2.336	.00000	35.16444	1.03245	.22193	-.05042	.00077	-.00013	-.01503
.155	4.427	.00000	35.15601	1.23891	.24207	-.07827	.00162	-.00101	-.01839
.155	6.440	.00000	35.15670	1.42552	.26729	-.09685	.00182	-.00063	-.01428
.155	8.408	.00000	35.15561	1.60429	.29393	-.12957	.00160	-.00108	-.01538
.155	10.494	.00000	35.16417	1.78789	.32855	-.16421	.00167	-.00023	-.01164
.155	12.488	.00000	35.17610	1.94758	.36321	-.19962	.00201	-.00187	-.01649
.155	14.588	.00000	35.19703	2.10290	.40321	-.21641	.00151	-.00018	-.01150
.155	16.538	.00000	35.24666	2.20018	.44455	-.21957	.00199	.00002	-.01104
.155	18.558	.00000	35.33029	2.25828	.49189	-.18598	.00171	.00460	-.00947
.156	20.595	.00000	35.47246	2.24681	.54746	-.12931	.00110	.00496	-.00977
.156	22.548	.00000	35.64015	2.23012	.61170	-.09400	.00154	.00169	-.00801
.157	24.604	.00000	35.89955	2.17501	.70331	-.12425	.00066	-.00330	-.00551
.157	26.982	.00000	36.25861	2.10619	.82956	-.18793	-.00700	-.01225	-.00055
	GRADIENT	.00000	-.00812	.10598	.00585	-.01967	.00006	-.00023	-.00005

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS40I (RJF046) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 46/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.742	.00000	35.20608	.51154	.19439	-.08516	.00098	.00120	-.01474
.155	.350	.00000	35.16827	.87887	.20505	-.17091	.00135	-.00023	-.01612
.155	2.330	.00000	35.15871	1.09122	.22117	-.21212	.00075	-.00057	-.01587
.155	4.429	.00000	35.15393	1.28855	.24390	-.24804	.00129	-.00025	-.01363
.155	6.426	.00000	35.15904	1.47064	.27117	-.27612	.00145	-.00075	-.01720
.155	8.516	.00000	35.16195	1.67038	.30373	-.31494	.00147	-.00073	-.01471
.155	10.542	.00000	35.17768	1.84011	.33995	-.34896	.00096	-.00169	-.01187
.155	12.536	.00000	35.18207	2.00921	.37422	-.38325	.00118	-.00212	-.01317
.155	14.600	.00000	35.20709	2.14779	.41326	-.40131	.00140	-.00031	-.01127
.155	16.596	.00000	35.25188	2.25242	.45469	-.40169	.00104	-.00012	-.01083
.155	18.584	.00000	35.35107	2.29262	.50464	-.36349	.00120	.00374	-.01054
.156	20.547	.00000	35.49090	2.28669	.56046	-.29930	.00124	.00346	-.01099
.156	22.562	.00000	35.66462	2.26417	.62571	-.25175	.00156	.00036	-.01025
.157	24.554	.00000	35.93273	2.21602	.72209	-.27926	.00068	-.00310	-.00727
.157	26.965	.00000	36.29230	2.14766	.84821	-.33113	-.00734	-.01253	.00051
	GRADIENT	.00000	-.00733	.10839	.00682	-.02282	.00002	-.00021	.00012

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF047) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC	BETA =	.000	RN/L =	1.090
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC	STAB =	3.000	ELEVTR =	.000
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC	IORB =	6.000	ELEVON =	.000
SCALE =	.0400			BDFLAP =	-11.700		

PARAMETRIC DATA

RUN NO. 47/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.753	.00000	35.20557	.54354	.19484	-.22272	.00052	-.00156	-.01366
.155	.277	.00000	35.17276	.89842	.20756	-.30058	.00059	-.00076	-.01636
.155	2.361	.00000	35.21922	1.11586	.22528	-.34466	.00040	-.00096	-.01888
.155	4.355	.00000	35.16209	1.30308	.24805	-.37814	.00034	-.00168	-.01326
.155	6.754	.00000	35.24543	1.54384	.27972	-.41723	.00066	-.00127	-.01352
.155	8.332	.00000	35.10284	1.68842	.30486	-.44644	.00074	-.00112	-.01509
.155	10.613	.00000	35.05286	1.88632	.34651	-.48477	.00060	-.00043	-.01016
.155	12.546	.00000	35.11335	2.04419	.38219	-.51903	.00099	-.00107	-.01266
.156	14.644	.00000	35.51464	2.17859	.42423	-.53899	.00090	-.00029	-.01294
.156	16.541	.00000	35.50806	2.27217	.46576	-.53835	.00128	-.00053	-.01379
.156	20.637	.00000	35.66391	2.32090	.57729	-.42158	.00083	.00300	-.01072
.156	22.698	.00000	35.60999	2.29684	.64688	-.36663	.00042	.00093	-.00888
.155	24.603	.00000	35.12522	2.23599	.73645	-.38793	.00037	-.00327	-.00778
.154	26.749	.00000	34.93000	2.16983	.85320	-.43806	-.00737	-.01269	-.00224
	GRADIENT	.00000	-.00360	.10719	.00740	-.02201	-.00003	-.00001	-.00012

(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401 (RJF048) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 48/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.703	.00000	35.22898	.61852	.19875	-.04544	.00082	.00029	-.01800
.155	.274	.00000	35.22514	.83845	.20685	-.08731	.00100	.00005	-.01640
.155	2.396	.00000	35.24297	1.06513	.22261	-.12558	.00090	.00035	-.01759
.155	4.480	.00000	35.28280	1.25897	.24485	-.15940	.00116	-.00120	-.01929
.155	6.452	.00000	35.33088	1.45819	.26828	-.18932	.00129	-.00079	-.01717
.155	8.576	.00000	35.40639	1.65337	.29947	-.22608	.00105	-.00156	-.01392
.155	9.530	.00000	35.29401	1.72771	.31615	-.23836	.00140	-.00083	-.01425
.155	10.578	.00000	35.23659	1.82752	.33375	-.26109	.00110	-.00161	-.01287
.155	11.582	.00000	35.26261	1.90611	.35237	-.27624	.00131	-.00239	-.01528
.155	12.627	.00000	35.34971	1.98053	.37237	-.29311	.00098	-.00114	-.01389
.155	13.602	.00000	35.12624	2.05556	.38966	-.30320	.00165	-.00171	-.01743
.155	14.745	.00000	35.16069	2.12466	.41154	-.30902	.00138	-.00164	-.01489
.155	15.533	.00000	35.23852	2.16534	.42536	-.31166	.00143	-.00126	-.01476
.155	16.670	.00000	35.32267	2.21661	.45100	-.30854	.00161	.00016	-.01388
.156	17.490	.00000	35.42769	2.24808	.47087	-.30369	.00199	-.00050	-.01612
.156	18.586	.00000	35.53566	2.26879	.49624	-.27560	.00143	.00330	-.01376
.156	19.627	.00000	35.65089	2.26750	.52525	-.24403	.00112	.00420	-.01359
.156	20.627	.00000	35.67188	2.26543	.55424	-.20960	.00087	.00387	-.01391
.156	21.572	.00000	35.70032	2.26500	.58566	-.18871	.00122	.00203	-.01259
.156	22.666	.00000	35.66216	2.25460	.62463	-.17441	.00114	.00048	-.01023
.156	23.697	.00000	35.64056	2.21878	.67129	-.18168	.00167	-.00288	-.00985
.156	24.696	.00000	35.59403	2.18928	.71953	-.20922	.00008	-.00464	-.00913
.156	25.698	.00000	35.60806	2.17179	.76470	-.23755	-.00061	-.00343	-.00730
.156	26.782	.00000	35.62460	2.12835	.83186	-.25917	-.00743	-.01226	.00015
	GRADIENT	.00000	.00872	.10388	.00747	-.01838	.00004	-.00020	-.00025

(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS401 (RJF049) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 49/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.868	.00000	35.18235	.67345	.20203	-.46176	-.00004	.00024	-.00837
.155	.318	.00000	35.08949	.94231	.21285	-.52598	.00039	-.00134	-.01110
.155	2.397	.00000	35.17303	1.14712	.23185	-.56880	-.00021	-.00126	-.01056
.155	4.467	.00000	35.38527	1.35995	.25528	-.60630	.00047	-.00120	-.01138
.155	6.577	.00000	35.39016	1.56812	.28445	-.64095	.00065	-.00112	-.01028
.156	8.604	.00000	35.45403	1.75322	.31790	-.67896	.00081	-.00180	-.01028
.156	10.450	.00000	35.48895	1.90755	.35368	-.71153	.00033	-.00168	-.00631
.156	12.485	.00000	35.58514	2.07995	.39387	-.75518	.00068	-.00198	-.00740
.156	14.622	.00000	35.61528	2.22734	.43448	-.77609	.00135	-.00033	-.01053
.157	16.582	.00000	35.90847	2.31136	.47955	-.77215	.00052	.00024	-.00592
.157	18.652	.00000	36.08509	2.36017	.53244	-.71602	.00020	.00519	-.00501
.156	20.659	.01000	35.48423	2.35100	.59026	-.62483	.00018	.00497	-.00593
.156	22.606	.01000	35.50811	2.32275	.65377	-.54084	.00049	.00157	-.00557
.156	24.674	.01000	35.54359	2.24591	.74421	-.51214	.00006	-.00297	-.00429
.156	26.740	.01000	35.52165	2.18935	.86002	-.54752	-.00676	-.01283	.00418
	GRADIENT	.00000	.03242	.10747	.00846	-.02263	.00004	-.00020	-.00041

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(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS401 (RJF050) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	10.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 50/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.741	.00000	35.25385	.64607	.20055	-.29648	.00061	-.00075	-.01297
.155	.295	.00000	35.07168	.87861	.21094	-.35330	.00056	-.00047	-.01015
.155	2.478	.00000	35.21365	1.11242	.22903	-.39847	.00035	-.00049	-.01031
.155	4.375	.00000	35.27494	1.29668	.24969	-.43293	.00040	-.00153	-.01004
.155	6.464	.00000	35.32031	1.50476	.27742	-.46694	.00055	-.00267	-.00943
.155	8.524	.00000	35.38396	1.69381	.31029	-.50465	.00061	-.00092	-.00633
.156	10.594	.00000	35.42291	1.88304	.34664	-.54395	.00101	-.00076	-.00796
.155	12.450	.00000	35.24868	2.03661	.38225	-.57965	.00067	-.00235	-.00593
.155	14.539	.00000	35.32339	2.17457	.42177	-.60211	.00097	-.00105	-.00626
.156	16.581	.01000	35.53896	2.27607	.46561	-.60304	.00048	-.00090	-.00675
.156	18.641	.01000	35.54409	2.32387	.51890	-.55760	.00099	.00315	-.00727
.155	20.657	.01000	35.31376	2.32069	.57537	-.46927	.00049	.00544	-.00402
.155	22.596	.01000	35.34456	2.29253	.63874	-.39518	.00050	.00265	-.00242
.155	24.519	.01000	35.37148	2.22409	.72159	-.38452	-.00045	-.00201	.00087
.157	26.752	.01000	35.96502	2.16665	.84824	-.43719	-.00738	-.01190	.00557
	GRADIENT	.00000	.01000	.10652	.00804	-.02216	-.00004	-.00011	.00042

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF051) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-10.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 51/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.796	.00000	34.90057	.53918	.20474	.14338	.00034	.00220	-.00779
.155	.312	.00000	35.02049	.76793	.21224	.10575	.00078	.00056	-.00962
.156	2.352	.00000	35.44116	.97348	.22537	.07525	.00098	-.00010	-.01112
.155	4.309	.00000	35.25457	1.17585	.24113	.04976	.00121	-.00062	-.01361
.155	6.422	.00000	35.15756	1.37974	.26432	.02465	.00136	-.00041	-.01255
.155	8.559	.00000	35.06445	1.58102	.29277	-.00909	.00125	.00101	-.00644
.155	10.552	.00000	35.17780	1.73879	.32862	-.03340	.00053	-.00075	-.00498
.155	12.519	.01000	35.15360	1.91672	.35782	-.06932	.00213	-.00176	-.01455
.155	14.491	.01000	35.22766	2.04320	.39311	-.08291	.00108	.00088	-.00544
.155	16.565	.01000	35.36576	2.14496	.43417	-.08513	.00056	.00039	-.00616
.155	18.465	.01000	35.22687	2.20305	.47722	-.05262	.00075	.00372	-.00624
.155	20.559	.01000	35.36307	2.20085	.53258	.00898	.00074	.00619	-.00784
.155	22.488	.01000	35.36310	2.19113	.59433	.03668	.00114	.00215	-.00635
.156	24.495	.01000	35.62381	2.13934	.68155	-.00471	.00039	-.00283	-.00275
.157	26.803	.01000	36.08379	2.07963	.81115	-.09770	-.00733	-.01263	.00407
	GRADIENT	.00000	.07341	.10395	.00595	-.01531	.00014	-.00045	-.00093

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF052) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 52/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.865	.00000	35.02065	.46452	.21541	.37895	.00109	.00029	-.00906
.155	.297	.00000	35.13168	.71392	.21911	.34069	.00134	.00023	-.01323
.155	2.363	.00000	35.16184	.92784	.22924	.31156	.00126	.00026	-.01149
.155	4.374	.00000	35.24679	1.12546	.24439	.28714	.00187	.00104	-.01120
.155	6.445	.00000	35.28496	1.31652	.26674	.26940	.00196	-.00032	-.01279
.155	8.542	.00000	35.20723	1.49941	.29413	.25166	.00190	-.00079	-.00955
.155	10.457	.01000	35.25196	1.68149	.32133	.22378	.00195	-.00054	-.00928
.155	12.266	.00000	35.05603	1.81265	.35094	.20311	.00126	-.00118	-.00699
.155	14.519	.01000	35.04991	1.97360	.38555	.19375	.00155	.00035	-.00921
.155	16.549	.01000	35.21771	2.06984	.42360	.19972	.00166	.00081	-.00856
.155	18.517	.01000	35.39388	2.13085	.46501	.23411	.00102	.00491	-.00520
.156	20.458	.01000	35.61207	2.13219	.51403	.28614	.00134	.00572	-.00731
.156	22.594	.01000	35.55941	2.12881	.58207	.30198	.00107	.00332	-.00213
.156	24.517	.01000	35.54602	2.08135	.66674	.23144	-.00019	-.00176	-.00076
.156	26.809	.01000	35.56749	2.02311	.79324	.12220	-.00764	-.01206	.00595
	GRADIENT	.00000	.03414	.10576	.00465	-.01467	.00011	.00011	-.00023

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF053) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC				
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC				
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC				
SCALE =	.0400						

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 53/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.814	.00000	35.13100	.56277	.20252	.02506	.00059	-.00089	-.01284
.155	.231	.00000	35.14267	.79178	.20980	-.02562	.00115	.00132	-.01108
.155	2.391	.00000	35.14327	1.02013	.22431	-.06448	.00094	-.00021	-.01404
.155	4.401	.00000	35.17724	1.21270	.24314	-.08795	.00094	-.00153	-.01370
.155	6.492	.00000	35.22020	1.41984	.26802	-.11365	.00135	-.00127	-.01246
.155	8.482	.00000	35.15987	1.60004	.29728	-.14399	.00120	-.00120	-.00920
.155	10.523	.01000	35.24954	1.78162	.33124	-.17543	.00100	-.00060	-.00352
.155	12.663	.01000	35.26349	1.95415	.36912	-.21135	.00113	-.00176	-.00913
.155	14.528	.00000	35.40629	2.08467	.40035	-.22736	.00089	-.00091	-.00978
.155	16.563	.01000	35.13933	2.18516	.43977	-.23023	.00083	.00064	-.00699
.155	18.571	.01000	35.34555	2.23045	.48744	-.19030	.00083	.00396	-.00579
.156	20.553	.01000	35.51965	2.23643	.54312	-.13158	.00021	.00684	-.00525
.156	22.571	.01000	35.50699	2.22116	.60828	-.08710	.00129	.00184	-.00608
.156	24.545	.01000	35.58567	2.16811	.69514	-.10942	-.00057	-.00215	-.00039
.156	26.752	.01000	35.73432	2.10117	.81644	-.17601	-.00709	-.01330	.00278
	GRADIENT	.00000	.00666	.10471	.00655	-.01817	.00004	-.00017	-.00027

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF054) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 54/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.734	.00000	35.05022	.58270	.20011	-.05534	.00070	.00126	-.01068
.155	.265	.00000	35.09242	.81962	.20759	-.09923	.00090	.00023	-.01343
.155	2.282	.01000	35.06386	1.02891	.22215	-.13554	.00093	-.00070	-.01429
.155	4.388	.01000	35.22876	1.23322	.24270	-.16832	.00120	-.00037	-.01302
.155	5.492	.00000	35.28279	1.34525	.25592	-.18765	.00107	-.00164	-.01394
.155	6.380	.01000	35.23615	1.43875	.26658	-.20006	.00158	-.00112	-.01337
.155	7.533	.01000	35.26540	1.52567	.28491	-.21405	.00151	-.00159	-.01072
.155	8.482	.01000	35.36571	1.63038	.29889	-.23402	.00156	-.00050	-.01063
.155	9.524	.01000	35.06679	1.72126	.31542	-.25228	.00162	-.00107	-.01140
.155	10.502	.01000	35.06894	1.81099	.33212	-.27108	.00134	-.00158	-.01208
.155	11.584	.01000	35.15535	1.88460	.35439	-.28594	.00111	-.00134	-.00789
.155	12.519	.01000	35.07567	1.96925	.36812	-.30467	.00165	-.00114	-.01311
.155	13.557	.01000	35.17053	2.04301	.38830	-.31861	.00115	-.00117	-.01012
.155	14.517	.01000	35.21233	2.11029	.40598	-.32348	.00049	.00012	-.00532
.155	15.532	.01000	35.29940	2.16078	.42566	-.32637	.00013	.00011	-.00408
.155	16.604	.01000	35.23136	2.21739	.44707	-.32378	.00100	-.00005	-.00897
.155	17.515	.01000	35.37007	2.24556	.46998	-.31212	.00121	.00138	-.00945
.155	18.504	.01000	35.26153	2.25444	.49141	-.28356	.00049	.00580	-.00623
.155	19.820	.01000	35.36490	2.25788	.52786	-.23913	.00024	.00504	-.00841
.155	21.702	.01000	35.38555	2.25487	.58609	-.18473	.00020	.00448	-.00287
.155	22.635	.01000	35.37342	2.24037	.61826	-.16246	.00073	.00135	-.00414
.155	23.622	.01000	35.36748	2.20966	.65943	-.16353	.00054	-.00150	-.00362
.156	24.588	.01000	35.55086	2.17919	.70311	-.18580	-.00048	-.00145	-.00319
.157	25.455	.01000	36.00397	2.16035	.74970	-.21733	-.00077	-.00306	-.00102
.157	26.743	.01000	35.97048	2.11945	.82670	-.25346	-.00769	-.01171	.00646
	GRADIENT	.00196	.02508	.10596	.00700	-.01939	.00007	-.00028	-.00038

(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS401 (RJF055) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 55/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.801	.00000	35.17132	.61153	.19768	-.14108	.00047	.00161	-.00928
.155	.208	.00000	35.11844	.84070	.20640	-.18995	.00097	.00067	-.01307
.155	2.297	.01000	35.11554	1.05626	.22254	-.23076	.00048	-.00031	-.01290
.155	4.405	.01000	35.21423	1.26409	.24373	-.26809	.00085	-.00064	-.01400
.155	6.340	.01000	35.23935	1.44985	.26925	-.29750	.00098	-.00142	-.01146
.155	8.436	.01000	35.21882	1.65916	.30006	-.33584	.00123	-.00122	-.01194
.155	10.462	.01000	35.02432	1.83383	.33448	-.37082	.00069	-.00233	-.01030
.155	12.581	.01000	35.01915	2.00236	.37472	-.40766	.00095	-.00130	-.00785
.155	14.534	.01000	35.24808	2.12874	.41091	-.42597	.00132	-.00061	-.01052
.155	16.509	.01000	35.36923	2.23265	.44970	-.42678	.00113	-.00041	-.01002
.156	18.526	.01000	35.65559	2.27781	.49990	-.38534	.00067	.00307	-.00560
.155	20.551	.01000	35.44963	2.28959	.55938	-.31765	.00028	.00490	-.00548
.156	22.521	.01000	35.50595	2.25806	.62206	-.25002	.00061	.00165	-.00600
.156	24.510	.01000	35.52100	2.20050	.70901	-.26799	-.00043	-.00258	-.00246
.157	26.730	.01000	36.06449	2.13951	.83471	-.32882	-.00745	-.01222	.00436
	GRADIENT	.00193	.00624	.10491	.00746	-.02036	.00003	-.00037	-.00067

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5 F30G5.3.5TS401 (RJF056) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
SPDBRK = -11.700

RUN NO. 56/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.752	.00000	35.23136	.65890	.19576	-.31186	.00101	.00181	-.01010
.155	.256	.00000	35.18901	.87723	.20555	-.33169	.00095	.00097	-.01083
.155	2.349	.00000	35.14348	1.09028	.22145	-.33345	.00047	-.00006	-.01587
.155	4.491	.00000	35.24478	1.28854	.24317	-.33347	.00112	-.00013	-.01431
.155	5.527	.00000	35.28830	1.38057	.25659	-.33346	.00132	-.00124	-.01406
.155	6.406	.00000	35.25387	1.46483	.26787	-.33301	.00163	.00011	-.00990
.155	7.493	.00000	35.04027	1.56083	.28185	-.33643	.00166	-.00093	-.01209
.154	8.513	.00000	35.01762	1.65493	.29773	-.33315	.00169	-.00021	-.01142
.155	9.459	.00000	35.05677	1.72896	.31292	-.33487	.00133	-.00085	-.01150
.155	10.474	.00000	35.07669	1.81471	.32956	-.33598	.00151	-.00055	-.01100
.155	11.435	.00000	35.13122	1.89054	.34586	-.33841	.00106	-.00112	-.01004
.155	12.444	.00000	35.12302	1.97216	.36156	-.33651	.00156	-.00080	-.01169
.155	13.345	.00000	35.22669	2.02958	.37871	-.33252	.00098	-.00001	-.00723
.155	14.500	.00000	35.21342	2.10049	.39795	-.31385	.00073	-.00041	-.00919
.155	15.542	.00000	35.26084	2.15009	.41790	-.30201	.00069	-.00005	-.01116
.155	16.518	.00000	35.23855	2.18952	.43748	-.28485	.00038	.00059	-.00811
.155	17.494	.00000	35.30951	2.22419	.45748	-.26202	.00038	.00217	-.00777
.155	18.582	.00000	35.38348	2.24032	.48472	-.23050	.00020	.00450	-.00624
.156	19.600	.00000	35.52514	2.24733	.51400	-.20467	.00068	.00478	-.00732
.155	20.567	.00000	35.32848	2.24745	.54124	-.17310	.00142	.00571	-.00944
.155	21.623	.00000	35.38955	2.23694	.57392	-.14264	.00208	.00357	-.01033
.155	22.575	.00000	35.40364	2.22403	.60702	-.12266	.00266	.00107	-.01250
.155	23.567	.00000	35.38535	2.19749	.64748	-.10424	.00255	-.00075	-.01156
.155	24.587	.00000	35.31307	2.15169	.69230	-.08857	.00121	-.00143	-.00971
.157	25.613	.00000	35.98503	2.12258	.74090	-.07903	-.00026	-.00162	-.00400
.157	26.692	.00000	36.08571	2.05874	.79867	-.04071	-.00695	-.01182	.00158
	GRADIENT	.00000	-.00004	.10090	.00761	-.00427	-.00001	-.00033	-.00085

(CA-8) K3V9.1.2TS5 F30G5.3.5TS401 (RJF057) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
SPDBRK = -11.700

RUN NO. 57/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.701	.00000	35.29772	.68894	.19623	-.31482	.00116	.00141	-.00708
.155	.341	.00000	35.16368	.91389	.20653	-.33603	.00119	.00076	-.00808
.155	2.338	.00000	35.13130	1.11134	.22348	-.34411	.00120	-.00010	-.01036
.155	4.404	.00000	35.21231	1.32218	.24565	-.34554	.00195	-.00120	-.01185
.155	5.423	.00000	35.21922	1.41703	.25815	-.34359	.00217	-.00075	-.01228
.155	6.606	.00000	35.29012	1.51820	.27530	-.34233	.00240	-.00050	-.01265
.155	7.435	.00000	35.30276	1.57564	.28937	-.33942	.00202	-.00114	-.00615
.155	8.510	.00000	35.38526	1.68818	.30472	-.34083	.00249	-.00011	-.01077
.155	9.387	.00000	35.43734	1.75306	.32047	-.33821	.00219	-.00065	-.00929
.155	10.412	.00000	35.38259	1.84254	.33752	-.33890	.00237	-.00067	-.01151
.155	11.577	.00000	35.24162	1.93961	.35833	-.34001	.00236	-.00020	-.00920
.155	12.290	.00000	35.21244	1.99605	.37085	-.33784	.00187	-.00083	-.00644
.155	13.518	.00000	35.25140	2.08564	.39166	-.33043	.00238	.00042	-.00758
.155	14.608	.00000	35.30853	2.13865	.41288	-.31804	.00153	-.00042	-.00630
.155	15.559	.00000	35.23214	2.17855	.43044	-.30207	.00111	.00005	-.00590
.155	16.550	.00000	35.30132	2.22178	.45157	-.28323	.00046	.00140	-.00304
.155	17.600	.00000	35.40086	2.25823	.47706	-.26054	.00051	.00253	-.00435
.155	18.681	.00000	35.24985	2.27237	.50588	-.22923	.00065	.00377	-.00792
.155	19.581	.00000	35.35856	2.27711	.53133	-.20165	.00084	.00624	-.00335
.155	20.557	.00000	35.40976	2.27747	.56245	-.17678	.00075	.00755	-.00647
.155	21.605	.00000	35.38242	2.27111	.59697	-.14730	.00125	.00467	-.00992
.155	22.610	.00000	35.36227	2.25779	.63288	-.12462	.00213	.00198	-.01023
.156	23.610	.00000	35.62406	2.23056	.67547	-.10112	.00169	-.00171	-.00775
.156	24.595	.00000	35.59081	2.19406	.72081	-.08114	.00098	-.00323	-.00690
.156	25.575	.00000	35.65196	2.16182	.76483	-.06769	.00001	-.00265	-.00732
.157	26.609	.00000	36.07122	2.11075	.82310	-.02116	-.00675	-.01202	.00201
	GRADIENT	.00000	-.01414	.10325	.00814	-.00493	.00012	-.00043	-.00082

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF058) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 58/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.806	.00000	35.21958	.56767	.20148	.05954	.00073	-.00100	-.01382
.155	.229	.00000	35.11352	.81124	.20870	.00689	.00141	.00184	-.00657
.155	2.381	.00000	35.12763	1.02762	.22458	-.02794	.00133	-.00004	-.01389
.155	4.565	.00000	35.14439	1.24464	.24622	-.05293	.00188	-.00113	-.01419
.155	6.433	.00000	35.23277	1.42553	.26985	-.07387	.00171	-.00143	-.00953
.155	8.531	.00000	35.22587	1.62685	.30110	-.10914	.00182	-.00176	-.01009
.155	10.321	.00000	35.15920	1.77836	.33303	-.13876	.00150	-.00130	-.00792
.155	12.420	.00000	35.17206	1.94936	.37013	-.17147	.00214	-.00086	-.00950
.155	14.535	.00000	35.32522	2.09186	.40805	-.18755	.00149	.00038	-.00720
.155	16.666	.00000	35.28912	2.20518	.45114	-.18345	.00239	.00027	-.01312
.156	18.476	.00000	35.59415	2.24239	.49704	-.14533	.00070	.00377	-.00441
.155	20.490	.00000	35 35978	2.25976	.55631	-.09578	.00032	.00518	-.00656
.155	22.514	.00000	35.39271	2.24506	.62696	-.05354	.00068	.00130	-.00812
.155	24.449	.00000	35.34633	2.20341	.71320	-.07353	.00059	-.00276	-.00848
.155	26.516	.00000	35.32706	2.14576	.82731	-.11344	-.00593	-.01108	-.00024
	GRADIENT	.00000	-.00972	.10560	.00708	-.01751	.00016	-.00011	-.00041

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF059) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 59/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.703	.00000	35.35345	.50422	.19478	-.06388	.00073	.00012	-.00694
.155	.404	.00000	35.23844	.87078	.20699	-.14857	.00115	.00081	-.01055
.155	2.458	.00000	35.27754	1.08414	.22402	-.18834	.00101	.00006	-.01024
.155	4.381	.00000	35.32075	1.27829	.24471	-.21781	.00131	-.00170	-.01015
.156	6.455	.00000	35.59560	1.48345	.27200	-.24681	.00179	-.00084	-.00971
.155	8.567	.00000	35.21986	1.66647	.30742	-.27898	.00111	-.00105	-.00655
.155	10.452	.00000	35.20547	1.84573	.33965	-.31249	.00170	-.00166	-.00956
.155	12.488	.00000	35.32614	2.00031	.37860	-.34714	.00090	-.00239	-.00661
.155	14.621	.00000	35.33699	2.14835	.42040	-.36436	.00176	-.00042	-.00909
.155	16.665	.00000	35.43691	2.24059	.46482	-.35975	.00078	.00127	-.00543
.155	18.579	.00000	35.44226	2.28833	.51477	-.31982	.00022	.00462	-.00600
.156	20.493	.00000	35.56394	2.29993	.57041	-.26220	.00040	.00400	-.00956
.156	22.510	.00000	35.55683	2.28598	.64137	-.20862	.00028	.00145	-.00877
.156	24.521	.00000	35.52563	2.23536	.73450	-.22445	.00014	-.00340	-.00941
.155	26.476	.00000	35.43957	2.17775	.84477	-.25684	-.00626	-.01336	-.00089
	GRADIENT	.00000	-.00445	.10932	.00696	-.02186	.00007	-.00024	-.00044

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF060) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 60/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.717	.00000	35.36500	.48215	.19811	.00801	.00063	.00099	-.00578
.155	.306	.00000	35.18344	.83812	.20815	-.07111	.00087	.00087	-.00990
.155	2.325	.00000	35.19965	1.04539	.22449	-.10167	.00143	-.00110	-.01208
.154	4.383	.00000	35.15003	1.24964	.24447	-.13643	.00162	-.00142	-.00868
.155	6.432	.00000	35.21731	1.44356	.27146	-.16551	.00163	-.00093	-.00914
.155	8.440	.00000	35.21958	1.63801	.30235	-.19615	.00173	-.00109	-.00988
.154	10.527	.00000	35.15492	1.82124	.33763	-.23025	.00181	-.00079	-.00845
.155	12.508	.00000	35.17462	1.98495	.37346	-.26338	.00120	-.00227	-.00717
.154	14.540	.00000	35.00046	2.11795	.41315	-.27857	.00141	-.00039	-.00522
.155	16.561	.00000	35.51617	2.21089	.45687	-.27548	.00041	.00066	-.00395
.155	18.527	.00000	35.36395	2.26924	.50496	-.23859	.00104	.00212	-.00717
.155	20.581	.00000	35.48643	2.27588	.56660	-.18233	.00070	.00369	-.00898
.155	22.590	.00000	35.47602	2.26066	.63609	-.13452	.00128	.00079	-.00823
.156	24.553	.00000	35.96734	2.20853	.72458	-.15585	.00029	-.00365	-.00647
.156	26.963	.00000	36.02354	2.13774	.85329	-.20957	-.00684	-.01375	.00208
	GRADIENT	.00000	-.02834	.10811	.00650	-.02017	.00015	-.00038	-.00052

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF061) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 61/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.736	.00000	35.24522	.58265	.19656	-.37850	.00045	-.00070	-.01088
.154	.302	.00000	35.11926	.92938	.21192	-.45899	.00046	-.00116	-.01219
.155	2.332	.00000	35.21925	1.15476	.22968	-.49789	.00051	-.00113	-.01041
.155	4.452	.00000	35.22411	1.36321	.25468	-.53368	.00154	-.00102	-.01074
.154	6.456	.00000	35.06066	1.56067	.28351	-.55923	.00082	-.00122	-.00450
.154	8.530	.00000	35.16342	1.74453	.31919	-.58977	.00125	-.00257	-.00985
.155	10.517	.00000	35.25288	1.92555	.35553	-.62685	.00171	-.00053	-.00766
.155	12.539	.00000	35.22221	2.08800	.39559	-.66080	.00158	-.00136	-.00824
.155	14.540	.00000	35.30583	2.21419	.43690	-.67574	.00136	-.00038	-.00658
.155	16.627	.00000	35.38786	2.31313	.48624	-.67243	.00061	.00021	-.00557
.155	18.589	.00000	35.46671	2.36232	.54015	-.62839	.00080	.00459	-.00460
.155	20.649	.00000	35.46001	2.36308	.60150	-.55491	.00044	.00398	-.00831
.155	22.641	.00000	35.58249	2.33920	.67239	-.47763	.00156	.00139	-.00643
.156	24.545	.00000	35.77965	2.28000	.75769	-.46351	.00077	-.00350	-.00721
.157	26.923	.00000	36.29111	2.19074	.89880	-.48467	.00005	-.00488	-.00740
	GRADIENT	.00000	-.00016	.10907	.00799	-.02161	.00013	-.00004	.00007

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401 (RJF062) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 62/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.628	.00000	35.32666	.38152	.21153	.43508	.00109	-.00076	-.01550
.154	.271	.00000	35.15354	.71118	.21625	.36314	.00157	.00053	-.01311
.155	2.293	.00000	35.18346	.93167	.22685	.32911	.00190	-.00045	-.01685
.155	4.361	.00000	35.30720	1.12831	.24445	.30061	.00240	-.00094	-.01231
.155	6.413	.00000	35.37812	1.33120	.26514	.28112	.00213	-.00082	-.01079
.154	8.457	.00000	35.16227	1.51617	.29339	.24703	.00232	-.00184	-.00986
.154	10.454	.00000	35.14297	1.69026	.32343	.20476	.00245	-.00163	-.01162
.155	12.509	.00000	35.29735	1.86737	.35790	.16571	.00239	-.00194	-.01269
.155	14.491	.00000	35.36512	2.00120	.39140	.15065	.00251	-.00004	-.01275
.155	16.563	.00000	35.33610	2.10338	.43397	.15122	.00192	.00105	-.00855
.155	18.593	.00000	35.55882	2.14904	.48110	.19753	.00197	.00510	-.00888
.155	20.548	.00000	35.43800	2.16632	.53604	.23338	.00160	.00558	-.01332
.155	22.531	.00000	35.52162	2.16294	.60271	.26454	.00192	.00159	-.01162
.156	24.523	.00000	35.65673	2.11672	.69042	.21768	.00105	-.00282	-.00785
.157	27.004	.00000	36.37420	2.04351	.82222	.14361	-.00677	-.01117	-.00028
	GRADIENT	.00000	-.00373	.10737	.00462	-.01927	.00018	-.00005	.00027

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF063) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 63/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.676	.00000	35.22787	.34929	.23193	.39641	.00084	-.00053	-.01069
.154	.313	.00000	35.11672	.69197	.23511	.32369	.00153	.00013	-.01337
.154	2.338	.00000	35.14922	.89877	.24510	.29545	.00143	-.00075	-.01412
.155	4.376	.00000	35.37841	1.09883	.25881	.27665	.00189	-.00111	-.01519
.155	6.403	.00000	35.32498	1.28802	.27970	.25816	.00162	-.00075	-.01223
.155	8.471	.00000	35.24070	1.47781	.30493	.23713	.00225	-.00091	-.01445
.155	10.443	.00000	35.32180	1.63909	.33317	.21292	.00170	-.00063	-.00960
.155	12.482	.00000	35.30419	1.81132	.36566	.18990	.00188	-.00213	-.01157
.155	14.498	.00000	35.26893	1.94538	.39642	.18744	.00173	-.00024	-.00865
.155	16.514	.00000	35.32907	2.03793	.43277	.20210	.00156	.00074	-.00946
.155	18.581	.00000	35.46196	2.10222	.47360	.24569	.00110	.00445	-.00961
.156	20.498	.00000	35.66695	2.11117	.52538	.28708	.00055	.00553	-.00916
.155	22.566	.00000	35.48220	2.10816	.59002	.30135	.00070	.00301	-.00771
.155	24.527	.00000	35.51876	2.06854	.67653	.21776	-.00031	-.00144	-.00190
.155	26.978	.00000	35.59266	2.01180	.81415	.09303	-.00820	-.01127	.00816
	GRADIENT	.00000	.01779	.10634	.00377	-.01708	.00013	-.00010	-.00063

(CA-8) K3V8.1.2TS5H15.6.1F3005.3.5TS402 (RJF064) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = -10.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 64/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.683	.00000	35.27578	.42460	.22132	.14817	-.00003	.00157	-.01037
.154	.317	.00000	35.20136	.76500	.22852	.07332	.00006	-.00046	-.01531
.155	2.345	.00000	35.26988	.96502	.24069	.04433	-.00012	.00050	-.01228
.155	4.376	.00000	35.23844	1.16986	.25657	.01560	.00006	.00016	-.01355
.155	6.437	.00000	35.26218	1.35662	.27994	-.00546	.00013	-.00046	-.01187
.154	8.426	.00000	35.11101	1.54478	.30556	-.03146	.00028	.00003	-.00887
.154	10.474	.00000	35.04347	1.72229	.33698	-.05973	.00041	-.00027	-.00820
.155	12.469	.00000	35.31864	1.88780	.36911	-.08793	.00038	-.00119	-.00786
.155	14.567	.00000	35.32917	2.01389	.40802	-.09652	.00074	.00008	-.00919
.155	16.533	.00000	35.31849	2.11260	.44409	-.09157	.00043	.00065	-.00914
.155	18.538	.00000	35.34981	2.17229	.48985	-.05439	.00024	.00208	-.00796
.155	20.623	.00000	35.50153	2.18318	.54406	.00950	-.00055	.00388	-.00919
.155	22.577	.00000	35.61361	2.16938	.60644	.04401	-.00030	.00199	-.00244
.156	24.508	.00000	35.71603	2.12242	.69061	-.00459	-.00070	-.00252	-.00290
.156	26.947	.00000	35.65049	2.05109	.83892	-.07304	-.00096	-.00444	-.00237
	GRADIENT	.00000	-.00267	.10535	.00495	-.01869	.00000	-.00016	-.00033

(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402 (RJF065) (18 JUN 76)

REFERENCE DATA-

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = 10.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 65/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.742	.00000	35.38541	.51250	.21466	-.24325	.00129	.00146	-.00712
.155	.293	.00000	35.28732	.86060	.22584	-.33861	.00147	.00095	-.01146
.155	2.408	.00000	35.38755	1.08888	.24257	-.38619	.00115	-.00141	-.01378
.155	4.373	.00000	35.23354	1.28410	.26301	-.42358	.00155	-.00161	-.01312
.155	6.439	.00000	35.29763	1.47123	.29168	-.45428	.00131	-.00090	-.00996
.155	8.516	.00000	35.29089	1.67155	.32375	-.48956	.00133	-.00084	-.01005
.154	10.464	.00000	35.14613	1.83483	.35663	-.52258	.00153	-.00129	-.01075
.155	12.529	.00000	35.22882	2.00300	.39595	-.55653	.00110	-.00274	-.00974
.155	14.593	.00000	35.31655	2.14300	.43407	-.57373	.00150	-.00031	-.00947
.155	16.539	.00000	35.38652	2.23827	.47354	-.57130	.00113	.00003	-.01155
.155	18.567	.00000	35.44542	2.28370	.52136	-.50950	.00078	.00437	-.00735
.155	20.559	.00000	35.54109	2.28618	.58102	-.43979	-.00012	.00707	-.00637
.156	22.594	.00000	35.71345	2.26085	.64489	-.35859	.00072	.00179	-.00687
.156	24.555	.00000	36.01819	2.20148	.73314	-.36122	-.00016	-.00276	-.00030
.157	26.904	.00000	36.20545	2.13015	.86656	-.40229	-.00372	-.00813	.00491
	GRADIENT	.00000	-.01506	.10876	.00673	-.02541	.00002	-.00049	-.00090

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF066) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 66/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.759	.00000	35.30913	.55231	.21584	-.42475	.00059	.00062	-.00833
.155	.316	.00000	35.36033	.91366	.23042	-.51625	.00073	-.00123	-.01210
.154	2.389	.00000	35.18446	1.13005	.24766	-.56363	.00084	-.00039	-.01425
.155	4.351	.00000	35.25806	1.33051	.26913	-.60468	.00093	-.00108	-.01268
.155	6.465	.00000	35.36071	1.52669	.29910	-.63597	.00095	-.00152	-.01294
.154	8.497	.00000	35.14126	1.71145	.33281	-.67267	.00130	-.00101	-.00894
.155	10.506	.00000	35.23456	1.88729	.36916	-.70887	.00127	-.00218	-.01074
.155	12.411	.00000	35.28784	2.04465	.40512	-.74605	.00077	-.00177	-.00820
.155	14.547	.00000	35.42872	2.19867	.44518	-.75972	.00159	-.00132	-.01257
.155	16.567	.00000	35.55420	2.29143	.49049	-.74994	.00055	.00005	-.00703
.155	18.571	.00000	35.48112	2.33635	.54141	-.70172	.00061	.00243	-.00971
.155	20.555	.00000	35.58403	2.32880	.59830	-.61034	-.00036	.00563	-.00652
.156	22.561	.00000	35.87294	2.30224	.66190	-.50993	.00017	.00114	-.00578
.156	24.557	.00000	35.95127	2.23437	.74712	-.48293	-.00077	-.00224	.00100
.157	26.894	.00000	36.35356	2.16670	.87649	-.52923	-.00680	-.01191	.00359
	GRADIENT	.00000	-.01334	.10937	.00741	-.02534	.00005	-.00020	-.00069

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF067) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 67/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.708	.00000	35.31189	.44832	.21493	-.02648	.00103	.00057	-.01125
.155	-1.751	.00000	35.25363	.58521	.21521	-.05995	.00056	-.00036	-.01132
.155	.323	.00000	35.27664	.80705	.22373	-.10848	.00101	.00009	-.01342
.154	2.345	.00000	35.20412	1.01896	.23706	-.14680	.00084	-.00173	-.01673
.155	4.414	.00000	35.28482	1.20962	.25806	-.18075	.00105	-.00117	-.01350
.155	5.417	.00000	35.31328	1.32428	.26760	-.19907	.00121	-.00154	-.01411
.154	6.409	.00000	35.18739	1.40892	.28114	-.21167	.00084	-.00114	-.01170
.154	7.384	.00000	35.15246	1.50545	.29430	-.22412	.00096	-.00172	-.01153
.155	8.468	.00000	35.23439	1.59679	.31193	-.24402	.00093	-.00188	-.01108
.155	9.425	.00000	35.25495	1.69140	.32585	-.25396	.00125	-.00096	-.01238
.155	10.434	.00000	35.23362	1.77753	.34208	-.27382	.00110	-.00201	-.01140
.155	11.467	.00000	35.21688	1.85884	.36003	-.29358	.00144	-.00199	-.01317
.155	12.527	.00000	35.26575	1.94350	.37938	-.30861	.00140	-.00120	-.01152
.154	13.503	.00000	35.19977	2.01755	.39713	-.31912	.00170	-.00134	-.01557
.155	14.511	.00000	35.29533	2.07822	.41519	-.32017	.00124	-.00061	-.01110
.154	15.521	.00000	35.20301	2.12795	.43476	-.31933	.00088	-.00005	-.00793
.155	16.564	.00000	35.38559	2.18043	.45381	-.31630	.00096	-.00078	-.01320
.155	17.589	.00000	35.44874	2.21719	.47768	-.30013	.00110	.00114	-.01052
.155	18.581	.00000	35.55809	2.23446	.50273	-.27176	.00100	.00239	-.01130
.155	19.589	.00000	35.50337	2.23051	.52976	-.23656	-.00039	.00556	-.00530
.155	20.564	.00000	35.52825	2.22906	.55630	-.19995	.00034	.00451	-.00965
.155	21.581	.00000	35.51005	2.22610	.58841	-.16934	.00010	.00355	-.00683
.155	22.545	.00000	35.50795	2.21263	.62139	-.15032	.00027	.00121	-.00759
.156	23.586	.00000	35.71619	2.18836	.66312	-.14832	-.00007	-.00037	-.00236
.156	24.552	.00000	35.97844	2.15963	.70826	-.17098	-.00073	-.00186	-.00233
.156	25.587	.00000	36.02958	2.13717	.76316	-.20905	-.00093	-.00315	-.00019
.157	26.923	.00000	36.12825	2.09801	.83948	-.23982	-.00605	-.01237	.00321
	GRADIENT	.00000	-.00474	.10600	.00603	-.02129	.00002	-.00026	-.00053

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5H15.6.1F3065.3.5TS402 (RJF068) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 68/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.706	.00000	35.30227	.42809	.21736	.05020	.00094	.00041	-.00947
.155	-1.775	.00000	35.35006	.55622	.21676	.01924	.00123	.00179	-.01153
.155	.323	.00000	35.30621	.78470	.22460	-.02916	.00113	.00074	-.01124
.155	2.345	.00000	35.28980	.99991	.23737	-.06663	.00115	.00000	-.01607
.155	4.335	.00000	35.22988	1.19370	.25433	-.09842	.00124	-.00137	-.01480
.154	6.388	.00000	35.12802	1.39116	.27835	-.12632	.00130	-.00100	-.01487
.155	8.483	.00000	35.23326	1.57417	.30848	-.15317	.00109	-.00151	-.00898
.155	10.534	.00000	35.23031	1.76643	.33935	-.18791	.00173	-.00085	-.01192
.155	12.567	.00000	35.23715	1.91693	.37653	-.21531	.00113	-.00180	-.01088
.155	14.530	.00000	35.37945	2.05507	.40863	-.22672	.00157	-.00065	-.01217
.155	16.568	.00000	35.52490	2.15404	.44875	-.22102	.00069	.00116	-.00851
.156	18.571	.00000	35.71960	2.20047	.49472	-.17781	.00083	.00455	-.01075
.155	20.528	.00000	35.55310	2.20458	.54812	-.11836	.00081	.00420	-.01092
.155	22.574	.00000	35.61625	2.19879	.61581	-.07473	.00080	.00101	-.00861
.156	24.533	.00000	35.93961	2.14667	.70051	-.09912	.00006	-.00255	-.00564
.156	26.947	.00000	35.93105	2.07367	.84661	-.15501	-.00073	-.00380	-.00088
	GRADIENT	.00000	-.01220	.10800	.00531	-.02082	.00003	-.00032	-.00082

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF069) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 69/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.716	.00000	35.41167	.48746	.21207	-.11017	.00073	-.00033	-.01446
.155	-1.722	.00000	35.34957	.58522	.21552	-.13387	.00096	-.00005	-.01512
.155	.313	.00000	35.25440	.82253	.22380	-.19239	.00072	-.00040	-.01045
.154	2.338	.00000	35.17154	1.04464	.23765	-.23622	.00109	.00004	-.01578
.155	4.403	.00000	35.28885	1.24141	.25815	-.27386	.00120	-.00032	-.01498
.155	6.424	.00000	35.38922	1.43001	.28439	-.30309	.00073	-.00094	-.01032
.154	8.470	.00000	35.18064	1.63476	.31397	-.34189	.00106	-.00041	-.01132
.154	10.488	.00000	35.18737	1.79943	.34833	-.37285	.00125	-.00088	-.00978
.155	12.426	.00000	35.22392	1.95776	.38296	-.40541	.00085	-.00220	-.01198
.155	14.539	.00000	35.33363	2.09999	.42322	-.42051	.00121	-.00102	-.01314
.155	16.605	.00000	35.28571	2.20343	.46273	-.44413	.00108	-.00012	-.01081
.155	18.550	.00000	35.50615	2.25486	.51075	-.36916	.00018	.00411	-.00870
.155	20.553	.00000	35.56829	2.25363	.56588	-.29059	-.00040	.00484	-.00736
.155	22.601	.00000	35.62028	2.23131	.63200	-.22746	.00033	.00166	-.00720
.156	24.636	.00000	35.97100	2.17520	.72313	-.24784	-.00065	-.00287	-.00149
.157	26.928	.00000	36.25806	2.12764	.83860	-.34570	-.00087	-.00170	-.00288
	GRADIENT	.00000	-.02181	.10749	.00634	-.02339	.00006	.00000	-.00011

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS (RJF070) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 70/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.781	.00000	35.55025	.58715	.21426	-.06102	.00073	-.00004	-.01087
.155	.345	.00000	35.40745	.82016	.22283	-.10761	.00106	.00016	-.01264
.155	2.344	.00000	35.23217	1.02449	.23707	-.14265	.00072	-.00049	-.01108
.155	4.359	.00000	35.28173	1.22225	.25633	-.17778	.00134	.00014	-.01243
.155	5.405	.00000	35.29871	1.32056	.26914	-.19260	.00135	-.00011	-.01336
.154	6.465	.00000	35.12355	1.42774	.28240	-.20684	.00101	-.00112	-.01159
.155	7.268	.00000	35.25493	1.50639	.29425	-.21545	.00075	-.00102	-.01054
.154	8.518	.00000	34.93398	1.59732	.31410	-.23311	.00154	-.00118	-.01040
.155	9.467	.00000	35.22571	1.68785	.32799	-.24883	.00121	-.00113	-.01119
.154	10.431	.00000	34.93589	1.78247	.34277	-.26281	.00139	-.00124	-.01228
.154	11.467	.00000	35.10670	1.86968	.36172	-.29180	.00114	-.00234	-.01127
.155	12.549	.00000	35.29028	1.94655	.38129	-.29405	.00129	-.00119	-.01047
.155	13.602	.00000	35.25873	2.03674	.39867	-.30750	.00191	-.00032	-.01083
.155	14.599	.00000	35.27347	2.08022	.41802	-.30684	.00122	-.00051	-.00794
.155	15.640	.00000	35.31666	2.13939	.43814	-.30921	.00105	-.00021	-.00777
.155	16.605	.00000	35.29206	2.19031	.45846	-.30421	.00171	-.00010	-.01188
.155	17.574	.00000	35.45871	2.22179	.48073	-.29611	.00180	.00059	-.01064
.155	18.558	.00000	35.60195	2.23412	.50511	-.26298	.00068	.00524	-.00639
.156	19.565	.00000	35.67616	2.23154	.53133	-.23143	.00066	.00447	-.00782
.156	20.613	.00000	35.69901	2.23559	.56148	-.19334	.00140	.00262	-.01253
.156	21.626	.00000	35.78263	2.23513	.59510	-.16759	.00042	.00359	-.00732
.156	22.591	.00000	35.64651	2.22096	.62701	-.14585	.00098	.00139	-.00937
.156	23.643	.00000	35.68038	2.19020	.67044	-.13982	.00082	-.00131	-.00668
.155	24.561	.00000	35.62948	2.16560	.71462	-.16367	.00005	-.00229	-.00256
.156	25.647	.00000	36.00308	2.12455	.78094	-.17380	-.00673	-.01363	.00514
.157	26.638	.00000	36.10362	2.11196	.83084	-.21791	-.00697	-.01241	.00307
	GRADIENT	.00000	-.04819	.10335	.00686	-.01889	.00007	-.00001	-.00016

(CA-8) K3V9.1.2TS5H15.6.1F30 TS402 (RJF071) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 71/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.644	.00000	35.23393	.46449	.19410	-.02093	.00146	-.00140	-.01394
.154	.385	.00000	35.15577	.82994	.20646	-.10014	.00164	.00025	-.01284
.155	2.351	.00000	35.37491	1.03247	.22163	-.13380	.00187	.00083	-.01595
.155	4.473	.00000	35.34522	1.24290	.24361	-.16800	.00136	-.00075	-.01381
.155	5.403	.00000	35.37149	1.33032	.25562	-.18146	.00152	-.00018	-.01334
.154	6.461	.00000	35.18243	1.43553	.26970	-.19876	.00158	.00037	-.01179
.155	7.381	.00000	35.27957	1.52361	.28239	-.20937	.00124	-.00102	-.01089
.155	8.465	.00000	35.29531	1.61994	.30063	-.22817	.00118	-.00143	-.01150
.155	9.537	.00000	35.22123	1.72446	.31786	-.24390	.00155	-.00038	-.01048
.155	10.413	.00000	35.39613	1.77870	.33542	-.25413	.00114	-.00221	-.00993
.155	11.542	.00000	35.28347	1.88645	.35585	-.27189	.00135	-.00126	-.00995
.154	12.502	.00000	35.17616	1.97261	.37199	-.28765	.00118	-.00118	-.00960
.155	13.566	.00000	35.27129	2.04200	.39140	-.29229	.00120	-.00115	-.01223
.155	14.530	.00000	35.28866	2.10533	.40828	-.29157	.00157	-.00013	-.01052
.155	15.491	.00000	35.39615	2.14924	.42815	-.29214	.00145	-.00001	-.00926
.155	16.590	.00000	35.36514	2.19778	.44947	-.28402	.00102	.00095	-.00665
.155	17.564	.00000	35.41058	2.23396	.47276	-.27161	.00147	.00152	-.00836
.155	18.579	.00000	35.53087	2.24419	.49740	-.24147	.00095	.00451	-.00536
.156	19.580	.00000	35.67078	2.24493	.52440	-.20154	.00009	.00574	-.00646
.155	20.512	.00000	35.24675	2.24993	.55069	-.17625	.00057	.00459	-.00959
.155	21.556	.00000	35.26076	2.24552	.58245	-.14285	.00033	.00288	-.00642
.156	22.543	.00000	35.65916	2.22571	.61551	-.12050	.00054	.00243	-.00889
.156	23.569	.00000	35.77543	2.20847	.65837	-.11895	.00094	-.00055	-.00711
.156	24.487	.00000	35.69510	2.18366	.70062	-.13908	.00022	-.00162	-.00613
.157	25.575	.00000	36.12959	2.16044	.76179	-.19092	.00017	-.00250	-.00256
.157	26.973	.00000	36.08230	2.12467	.84410	-.23332	-.00610	-.01149	.00089
	GRADIENT	.00000	.02186	.10939	.00688	-.02063	.00000	.00013	-.00010

(CA-8) K3V9.1.2TS5 F30G5.3.5TS402 (RJF072) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 72/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.855	.00000	35.60479	.50678	.21239	- 26874	.00090	-.00038	-.01426
.155	.343	.00000	35.20251	.87314	.22429	-.31030	.00113	-.00022	-.01308
.155	2.275	.00000	35.35532	1.06071	.23831	-.31860	.00076	-.00094	-.01430
.154	4.406	.00000	35.00703	1.25744	.25911	-.32117	.00074	-.00151	-.01444
.154	5.382	.00000	34.91465	1.34911	.27005	-.32073	.00099	-.00035	-.01388
.154	6.451	.00000	35.07342	1.44469	.28491	-.31996	.00108	-.00049	-.01363
.154	7.403	.00000	35.09636	1.52684	.29648	-.31966	.00134	-.00044	-.01429
.154	8.427	.00000	35.10671	1.62081	.31217	-.31890	.00102	-.00115	-.01209
.154	9.518	.00000	35.08996	1.71690	.32802	-.31759	.00098	-.00038	-.01022
.154	10.450	.00000	35.14087	1.78241	.34362	-.31533	.00090	-.00104	-.01026
.155	11.606	.00000	35.23086	1.89019	.36005	-.31658	.00173	-.00019	-.01427
.155	12.578	.00000	35.27696	1.95673	.37833	-.31705	.00160	-.00086	-.01324
.155	13.590	.00000	35.29435	2.02257	.39519	-.30755	.00134	-.00140	-.01351
.155	14.485	.00000	35.33706	2.07387	.40978	-.29611	.00128	.00100	-.00865
.155	15.596	.00000	35.50397	2.11680	.43017	-.28177	.00127	.00039	-.01302
.155	16.609	.00000	35.42174	2.16275	.44986	-.26078	.00106	.00043	-.01223
.155	17.475	.00000	35.36517	2.19763	.46783	-.24122	.00072	.00152	-.00914
.155	18.551	.00000	35.37760	2.22136	.49497	-.21083	.00118	.00307	-.01399
.155	19.492	.00000	35.48260	2.22532	.52198	-.18395	.00088	.00468	-.01166
.155	20.591	.00000	35.52847	2.22343	.55362	-.15369	.00101	.00695	-.01112
.155	21.563	.00000	35.59578	2.21891	.58325	-.12861	.00157	.00477	-.01006
.156	22.644	.00000	35.62816	2.20383	.61968	-.10383	.00176	.00262	-.01312
.156	23.608	.00000	35.65570	2.17740	.65867	-.08897	.00172	.00003	-.01240
.155	24.444	.00000	35.57590	2.15086	.69718	-.07873	.00100	-.00036	-.00806
.156	25.570	.00000	35.80703	2.11190	.75094	-.06749	-.00022	-.00082	-.00444
.157	26.907	.00000	36.15096	2.05604	.81823	-.03046	-.00589	-.00770	-.00110
	GRADIENT	.00000	-.07144	.10353	.00634	-.00732	-.00003	-.00016	-.00005

(CA-8) K3V9.1.2TS5 F3065.3.5TS402 (RJF073) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA.

BETA = .000 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 73/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.857	.00000	35.42910	.53083	.20746	-.27578	.00091	.00024	-.01290
.154	.279	.00000	35.04320	.89769	.22025	-.32191	.00117	.00055	-.00952
.154	2.400	.00000	34.99636	1.09949	.23812	-.32970	.00090	-.00057	-.01180
.154	4.391	.00000	35.06054	1.29911	.25835	-.33225	.00141	-.00088	-.01048
.154	5.435	.00000	35.02893	1.38052	.27308	-.33127	.00167	-.00134	-.01060
.154	6.455	.00000	35.11326	1.48274	.28547	-.32885	.00178	-.00076	-.01217
.155	7.600	.00000	35.43010	1.58134	.30323	-.32491	.00188	-.00084	-.00951
.155	8.527	.00000	35.47169	1.66674	.31740	-.32417	.00188	-.00081	-.01031
.155	9.539	.00000	35.38246	1.74739	.33475	-.32374	.00207	-.00048	-.00999
.154	10.517	.00000	35.18519	1.83240	.34946	-.31966	.00178	-.00029	-.00881
.155	11.555	.00000	35.30775	1.90401	.36952	-.32332	.00193	.00007	-.00839
.155	12.335	.00000	35.31157	1.96470	.38279	-.31992	.00120	-.00096	-.00688
.155	13.515	.00000	35.36298	2.03862	.40523	-.31156	.00109	-.00108	-.00675
.155	14.441	.00000	35.30606	2.10729	.41957	-.29874	.00136	.00111	-.00497
.155	15.498	.00000	35.26128	2.15600	.44179	-.28295	.00124	.00038	-.00746
.155	16.567	.00000	35.41286	2.19874	.46625	-.26524	.00051	.00096	-.00530
.155	17.557	.00000	35.46706	2.23611	.48664	-.24126	.00098	.00192	-.00717
.155	18.592	.00000	35.62054	2.24699	.51484	-.21473	.00012	.00576	-.00515
.156	19.632	.00000	35.67875	2.25147	.54615	-.18148	.00098	.00732	-.00673
.155	20.585	.00000	35.29259	2.25459	.57416	-.15625	.00167	.00627	-.00958
.155	21.510	.00000	35.33747	2.25424	.60588	-.13260	.00283	.00340	-.01271
.156	22.644	.00000	35.72535	2.24531	.64702	-.11153	.00211	.00318	-.00855
.156	23.588	.00000	35.86332	2.22156	.68681	-.09081	.00254	-.00091	-.00909
.156	24.565	.00000	35.85080	2.18574	.73019	-.07739	.00212	-.00166	-.00672
.156	25.672	.00000	35.80402	2.14995	.78338	-.06124	.00034	-.00117	-.00187
.156	26.943	.00000	35.75159	2.09676	.85075	-.04469	-.00600	-.01013	.00280
	GRADIENT	.00000	-.05250	.10568	.00698	-.00781	.00005	-.00018	.00024

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF074) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 74/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.728	.00000	35.34213	.44926	.21685	.07922	.00127	.00127	-.00996
.155	.305	.00000	35.22332	.81097	.22519	-.01014	.00120	-.00053	-.01460
.155	2.306	.00000	35.20768	1.02317	.23851	-.04504	.00097	-.00145	-.01562
.155	4.413	.00000	35.33316	1.22523	.25926	-.06886	.00130	-.00056	-.01367
.155	6.486	.00000	35.34467	1.42747	.28419	-.09478	.00192	-.00077	-.01524
.154	8.500	.00000	35.19299	1.60470	.31586	-.12156	.00173	-.00011	-.01044
.155	10.320	.00000	35.29224	1.76145	.34606	-.14465	.00192	-.00170	-.01270
.155	12.605	.00000	35.20269	1.95823	.38608	-.17335	.00210	-.00150	-.01279
.155	14.439	.00000	35.28111	2.06452	.42285	-.17936	.00154	-.00030	-.00816
.155	16.602	.00000	35.29839	2.18638	.46588	-.17019	.00131	.00042	-.00852
.155	18.408	.00000	35.40971	2.23832	.50955	-.13851	.00241	.00331	-.01183
.155	20.556	.00000	35.61682	2.24993	.57302	-.07827	.00170	.00541	-.01138
.155	22.573	.00000	35.47496	2.23469	.64263	-.04191	.00185	.00158	-.01007
.155	24.663	.00000	35.60261	2.18544	.73649	-.07517	.00105	-.00182	-.00247
.157	27.007	.00000	36.15508	2.12689	.86884	-.14441	-.00579	-.01102	.00216
	GRADIENT	.00000	-.00376	.10897	.00584	-.02089	-.00001	-.00029	-.00057

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF075) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 75/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.862	.00000	35.13072	.58445	.21399	-.02607	.00089	.00042	-.00865
.154	.420	.00000	35.13403	.83682	.22364	-.08230	.00112	.00078	-.00864
.154	2.347	.00000	35.04509	1.03084	.23902	-.11349	.00124	.00013	-.01181
.154	4.422	.00000	35.12963	1.25110	.25878	-.15038	.00146	-.00169	-.01297
.154	5.437	.00000	35.10624	1.34820	.27190	-.16356	.00146	-.00153	-.01275
.155	6.403	.00000	35.25159	1.44080	.28416	-.17820	.00175	-.00068	-.01112
.154	7.564	.00000	35.14207	1.53192	.30305	-.18752	.00116	-.00236	-.00944
.155	8.485	.00000	35.35915	1.62770	.31675	-.20532	.00150	-.00062	-.00834
.155	9.547	.00000	35.26658	1.70946	.33597	-.21699	.00090	-.00200	-.00768
.155	10.424	.00000	35.35299	1.79481	.34948	-.22951	.00192	-.00163	-.01337
.156	11.440	.00000	35.33718	1.86897	.36996	-.24109	.00108	-.00217	-.00833
.155	12.633	.00000	35.22346	1.98429	.38907	-.26064	.00182	-.00014	-.00904
.155	13.473	.00000	35.29139	2.03277	.40654	-.26373	.00187	-.00087	-.00929
.155	14.499	.00000	35.39723	2.09684	.42625	-.26492	.00192	-.00014	-.00980
.155	15.514	.00000	35.39925	2.15613	.44636	-.26405	.00129	.00025	-.00648
.155	16.501	.00000	35.35156	2.20145	.46688	-.25866	.00180	.00050	-.00840
.155	17.738	.00000	35.45626	2.24964	.49698	-.24154	.00201	.00128	-.00984
.155	18.496	.00000	35.60344	2.25356	.51771	-.22078	.00178	.00336	-.00847
.155	19.734	.00000	35.52882	2.26336	.55313	-.18145	.00095	.00664	-.00655
.155	20.579	.00000	35.64264	2.26713	.58011	-.16034	.00079	.00531	-.00518
.156	21.494	.00000	35.67912	2.25902	.60969	-.13825	.00071	.00483	-.00565
.156	22.640	.00000	35.69988	2.24935	.65252	-.11630	.00161	.00132	-.00678
.156	23.552	.00000	35.76969	2.22612	.69190	-.11851	.00179	-.00169	-.00602
.156	24.519	.00000	35.75933	2.20290	.73575	-.13832	.00078	-.00214	-.00356
.156	25.461	.00000	35.72829	2.19009	.78707	-.16965	.00059	-.00193	-.00280
.156	26.968	.00000	35.91010	2.14114	.87454	-.21357	-.00623	-.01086	.00210
	GRADIENT	.00000	-.00432	.10565	.00717	-.01951	.00009	-.00033	-.00077

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402 (RJF076) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 76/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.709	.00000	35.19950	.50458	.21119	-.07821	.00088	.00144	-.00538
.154	.303	.00000	35.09904	.86375	.22200	-.16433	.00085	.00024	-.00776
.154	2.329	.00000	35.12301	1.06104	.23795	-.20069	.00090	-.00049	-.01288
.154	4.324	.00000	35.15562	1.26746	.25843	-.23424	.00147	-.00106	-.01159
.155	6.459	.00000	35.33136	1.46812	.28768	-.26181	.00188	.00009	-.01362
.155	8.407	.00000	35.33098	1.64635	.31863	-.28800	.00138	-.00076	-.01042
.155	10.527	.00000	35.20843	1.83407	.35460	-.31690	.00140	-.00078	-.01084
.155	12.604	.00000	35.23756	2.00122	.39520	-.35660	.00147	-.00188	-.01169
.154	14.465	.00000	35.18998	2.12340	.43105	-.38529	.00123	-.00006	-.00675
.155	16.469	.00000	35.27659	2.22175	.47454	-.42875	.00193	-.00008	-.01164
.155	18.516	.00000	35.49595	2.27774	.52658	-.30984	.00181	.00287	-.01161
.155	20.415	.00000	35.63468	2.28771	.58191	-.24577	.00102	.00625	-.00894
.156	22.411	.00000	35.69170	2.27391	.65183	-.19376	.00138	.00204	-.00763
.155	24.435	.00000	35.59996	2.23864	.74715	-.21651	.00106	-.00075	-.00405
.156	26.972	.00000	35.88046	2.16016	.88398	-.27878	-.00634	-.01100	.00621
	GRADIENT	.00000	-.00606	.10817	.00665	-.02215	.00007	-.00036	-.00103

(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402 (RJF077) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 77/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.847	.00000	35.00326	-.03806	.14315	.15143	.00104	.00084	-.00921
.154	.300	.00000	35.09624	.31143	.13323	.03231	.00145	.00060	-.01207
.154	2.197	.00000	34.97641	.50420	.13253	.04305	.00113	.00060	-.01065
.154	4.290	.00000	35.08923	.72477	.13912	.03362	.00113	-.00010	-.01320
.154	5.326	.00000	35.11993	.82820	.14649	-.01678	.00088	.00002	-.00865
.154	6.356	.00000	35.15275	.92837	.15547	-.03649	.00116	-.00016	-.00936
.154	7.321	.00000	35.17768	1.02215	.16489	-.05525	.00162	-.00033	-.01029
.154	8.430	.00000	35.20465	1.11892	.17969	-.07209	.00144	-.00141	-.01056
.155	9.400	.00000	35.23402	1.21490	.19296	-.08879	.00171	-.00064	-.01007
.154	10.414	.00000	35.20078	1.30591	.20757	-.10718	.00189	-.00058	-.01201
.154	11.523	.00000	35.17827	1.41278	.22631	-.13045	.00131	-.00147	-.00906
.154	12.432	.00000	35.18956	1.47938	.24396	-.14754	.00089	-.00260	-.00757
.154	13.416	.00000	35.19914	1.57648	.26274	-.17425	.00121	-.00205	-.00785
.155	14.419	.00000	35.28174	1.66360	.28394	-.19791	.00113	-.00222	-.00743
.155	15.456	.00000	35.30123	1.75903	.30492	-.22173	.00060	-.00223	-.00694
.155	16.546	.00000	35.40125	1.83282	.32899	-.23193	.00091	-.00205	-.00839
.155	17.467	.00000	35.41117	1.88686	.34981	-.23411	.00040	-.00104	-.00584
.155	18.446	.00000	35.51373	1.94067	.37524	-.23068	.00051	-.00107	-.00761
.155	19.495	.00000	35.51283	1.97881	.40244	-.21915	-.00007	.00015	-.00419
.155	20.540	.00000	35.40817	2.01129	.43330	-.20609	.00034	-.00044	-.00553
.155	21.516	.00000	35.42027	2.03100	.46576	-.19421	.00001	-.00033	-.00365
.155	22.675	.00000	35.34771	2.04265	.50921	-.19590	.00026	.00020	-.00257
.155	23.547	.00000	35.39563	2.04451	.54590	-.20797	.00038	.00008	-.00192
.156	24.608	.00000	35.71158	2.04571	.58995	-.21938	.00024	.00050	-.00290
.156	26.887	.00000	35.88663	2.03944	.69503	-.28654	.00017	-.00371	-.00056
	GRADIENT	.00000	.00682	.10670	-.00071	-.02078	.00000	-.00012	-.00047

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(CA-8) K3V9.1.2TS5H15.6.1F20 TS402 (RJF078) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 78/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.773	.00000	35.41870	-.06911	.13242	.24585	.00134	-.00072	-.00897
.155	.258	.00000	35.30816	.27135	.11500	.18373	.00171	-.00006	-.01876
.155	2.259	.00000	35.22380	.48351	.11564	.14633	.00150	.00016	-.01424
.154	4.313	.00000	35.17132	.69415	.12359	.11235	.00099	.00065	-.01169
.154	6.240	.00000	35.19975	.89929	.13846	.07480	.00117	.00024	-.01149
.154	8.322	.00000	35.21712	1.09774	.16222	.04019	.00147	-.00042	-.01269
.154	10.393	.00000	35.21679	1.29500	.19250	.00621	.00154	.00014	-.00929
.155	12.421	.00000	35.22858	1.47399	.22890	-.03283	.00150	-.00028	-.00954
.155	14.426	.00000	35.26510	1.65848	.26947	-.08086	.00098	-.00158	-.00841
.155	16.432	.00000	35.29110	1.80831	.31287	-.10849	.00065	-.00100	-.00681
.155	18.508	.00000	35.35493	1.93446	.36270	-.11709	.00036	-.00048	-.00737
.155	20.471	.00000	35.48386	2.00507	.41931	-.10400	.00001	.00000	-.00323
.155	22.484	.00000	35.58465	2.03598	.48668	-.08854	.00030	.00013	-.00556
.155	24.545	.00000	35.44387	2.05515	.57790	-.13314	.00126	.00103	-.00258
.155	26.892	.00000	35.59733	2.04416	.68431	-.22400	.00042	-.00308	.00599
	GRADIENT	.00000	-.03566	.10781	-.00135	-.01892	-.00005	.00019	-.00030

(CA-8) K3V9.1.2TS5H15.6.1F20 TS402 (RJF079) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 79/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.778	.00000	35.18761	-.05561	.12987	.16382	.00134	.00059	-.00828
.154	.176	.00000	35.13699	.28753	.11396	.09970	.00148	.00005	-.01456
.154	2.191	.00000	35.10073	.50361	.11475	.05418	.00123	.00147	-.01053
.154	4.248	.00000	35.14908	.70504	.12363	.02020	.00086	-.00011	-.01299
.154	5.244	.00000	35.14992	.82758	.13017	-.00146	.00121	-.00007	-.01364
.154	6.428	.00000	35.16898	.93985	.14134	-.02369	.00093	-.00019	-.01231
.154	7.251	.00000	35.16775	1.01293	.15139	-.03734	.00120	-.00076	-.01335
.155	9.315	.00000	35.22381	1.20740	.17938	-.06873	.00097	-.00064	-.00913
.154	10.407	.00000	35.21612	1.31045	.19596	-.08734	.00141	-.00173	-.01197
.154	11.417	.00000	35.19103	1.41067	.21273	-.10952	.00131	-.00115	-.01020
.154	12.469	.00000	35.12582	1.50357	.23308	-.13119	.00119	-.00122	-.01080
.154	13.482	.00000	35.17902	1.59622	.25254	-.15853	.00127	-.00230	-.01085
.155	14.545	.00000	35.25061	1.68380	.27619	-.18038	.00040	-.00132	-.00504
.155	15.502	.00000	35.28300	1.76447	.29669	-.19723	.00089	-.00222	-.00924
.155	16.490	.00000	35.32887	1.83718	.31854	-.20798	.00046	-.00117	-.00768
.155	17.451	.00000	35.54264	1.89893	.34048	-.21023	.00001	-.00200	-.00679
.155	17.707	.00000	35.47940	1.90983	.35020	-.21000	.00009	-.00129	-.00527
.155	18.521	.00000	35.37279	1.95323	.36866	-.20841	-.00006	-.00069	-.00735
.155	19.512	.00000	35.45991	1.98965	.39472	-.19891	-.00049	-.00003	-.00307
.155	20.602	.00000	35.49168	2.02168	.42756	-.18525	-.00062	-.00014	-.00314
.155	21.611	.00000	35.54571	2.04167	.46035	-.17322	-.00002	-.00030	-.00740
.155	22.627	.00000	35.62437	2.04602	.49650	-.16902	.00018	.00020	-.00435
.155	23.475	.00000	35.58289	2.05067	.53424	-.18443	.00060	-.00031	-.00179
.155	24.508	.00000	35.50143	2.05556	.57946	-.21006	.00095	-.00046	-.00518
.155	25.593	.00000	35.50618	2.05664	.62860	-.24148	.00138	-.00004	-.00625
.156	26.877	.00000	35.77506	2.05412	.69219	-.31177	.00092	-.00472	-.00062
	GRADIENT	.00000	-.00721	.10856	-.00099	-.02070	-.00007	-.00003	-.00050

(CA-8) K3V9.1.2TS5H15.6.1F20 TS402 (RJF080) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 80/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.818	.00000	35.23571	-.03252	.12905	.07730	.00136	.00053	-.01220
.155	.231	.00000	35.26475	.31807	.11339	.00449	.00120	-.00068	-.01564
.154	2.160	.00000	35.19490	.53069	.11426	-.04089	.00131	-.00008	-.01610
.154	4.341	.00000	35.21954	.74543	.12501	-.07931	.00091	.00023	-.01244
.155	6.376	.00000	35.24100	.96344	.14264	-.12244	.00115	.00000	-.01305
.155	8.436	.00000	35.31718	1.16225	.16840	-.15848	.00124	-.00117	-.01032
.155	10.475	.00000	35.24292	1.34723	.20141	-.19417	.00167	.00005	-.00884
.155	12.425	.00000	35.32922	1.53376	.23693	-.23650	.00133	-.00017	-.01113
.155	14.314	.00000	35.36059	1.70576	.27767	-.28022	.00084	-.00131	-.00807
.155	16.496	.00000	35.32959	1.88070	.32655	-.30530	.00089	-.00090	-.00725
.155	18.517	.00000	35.39663	1.98344	.37729	-.29823	-.00011	.00014	-.00377
.155	20.543	.00000	35.62882	2.05114	.43544	-.26900	.00013	-.00123	-.00733
.156	22.567	.00000	35.79655	2.07052	.50399	-.25581	.00034	-.00048	-.00640
.155	24.614	.00000	35.53690	2.07539	.59085	-.29223	.00054	.00001	-.00381
.157	26.863	.00000	36.26830	2.07017	.70141	-.39648	.00078	-.00440	.00276
	GRADIENT	.00000	-.00449	.10909	-.00070	-.02211	-.00005	-.00003	-.00010

(CA-8) K3V8.1.2TS5H15.6.1F20TS402 (RJF081) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	3.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 81/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.792	.00000	35.16622	.01137	.12814	-.07153	.00065	-.00014	-.01020
.154	.213	.00000	35.06889	.35288	.11535	-.14466	.00074	.00067	-.00866
.154	2.205	.00000	35.10807	.56776	.11825	-.19432	.00065	-.00076	-.01518
.154	4.360	.00000	35.13843	.79254	.12957	-.23291	.00066	.00038	-.01102
.154	6.346	.00000	35.12538	.99101	.14882	-.27190	.00046	-.00020	-.00790
.154	8.274	.00000	35.12262	1.17728	.17474	-.30837	.00079	-.00053	-.00921
.154	10.548	.00000	35.17344	1.39971	.21098	-.34867	.00095	-.00103	-.01105
.154	12.464	.00000	35.02982	1.57752	.24901	-.39068	.00088	-.00180	-.01064
.154	14.484	.00000	35.08116	1.74459	.29463	-.42736	-.00009	-.00155	-.00389
.154	16.545	.00000	35.17507	1.91319	.34058	-.44544	.00007	-.00095	-.00514
.155	18.518	.00000	35.28086	2.01207	.39007	-.42473	-.00035	-.00034	-.00488
.155	20.548	.00000	35.54040	2.07688	.44901	-.39493	-.00014	-.00058	-.00601
.155	22.448	.00000	35.60126	2.10487	.51649	-.38668	.00014	-.00003	-.00523
.155	24.488	.00000	35.54754	2.12262	.60921	-.43158	.00076	.00033	-.00347
.156	26.848	.00000	36.12208	2.09816	.71974	-.51632	.00110	-.00447	.00080
	GRADIENT	.00000	-.00315	.10931	.00010	-.02285	-.00000	.00001	-.00036

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF082) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 82/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.773	.00000	35.23695	-.06850	.11472	.24133	.00118	.00007	-.01280
.154	.147	.00000	35.09097	.24665	.09866	.18585	.00098	.00141	-.00927
.154	2.302	.00000	35.04416	.48677	.09876	.14876	.00075	.00063	-.00727
.154	4.360	.00000	35.18692	.71035	.10746	.11550	.00090	-.00014	-.00936
.154	6.385	.00000	35.18528	.91879	.12401	.07878	.00098	-.00013	-.00824
.154	8.303	.00000	35.11957	1.10455	.14612	.04532	.00108	-.00053	-.00717
.154	10.396	.00000	35.15566	1.29396	.17708	.01114	.00096	-.00057	-.00685
.154	12.371	.00000	35.20025	1.48337	.21172	-.03508	.00059	-.00154	-.00591
.154	14.438	.00000	35.18055	1.67197	.25358	-.09161	.00025	-.00261	-.00354
.154	16.471	.00000	35.20501	1.83761	.29610	-.12808	.00044	-.00204	-.00586
.155	18.502	.00000	35.52097	1.94627	.34889	-.13997	-.00053	-.00037	.00011
.155	20.515	.00000	35.47012	2.02621	.40443	-.13050	.00024	-.00106	-.00403
.155	22.519	.00000	35.53296	2.05220	.47232	-.11436	.00025	-.00015	-.00287
.155	24.487	.00000	35.65791	2.05504	.55363	-.15147	.00120	.00034	-.00089
.156	26.884	.00000	35.78880	2.04676	.66778	-.22770	-.00118	-.00652	.00693
	GRADIENT	.00000	-.01042	.10936	-.00111	-.01769	-.00005	-.00004	.00056

(CA-8) K3V9.1.2TS5H15.6.(F20TS40) (RJFD83) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 83/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.765	.00000	35.07737	-.04836	.11178	.16438	.00087	.00038	-.00634
.154	.193	.00000	35.03162	.27379	.09758	.10584	.00067	.00003	-.00757
.154	2.248	.00000	34.97641	.51458	.09805	.05936	.00087	.00045	-.00924
.154	4.299	.00000	35.18835	.72202	.10777	.02772	.00055	.00010	-.00822
.154	5.246	.00000	35.18945	.81172	.11522	.01091	.00027	-.00027	-.00385
.154	6.393	.00000	35.20204	.94417	.12545	-.01513	.00131	-.00007	-.00899
.155	7.375	.00000	35.24796	1.03286	.13640	-.03189	.00056	-.00088	-.00727
.154	8.277	.00000	35.17912	1.12262	.14802	-.04756	.00091	-.00129	-.00839
.154	9.476	.00000	35.21059	1.22338	.16613	-.06432	.00074	-.00112	-.00597
.154	10.461	.00000	35.22789	1.33079	.18030	-.08545	.00127	-.00080	-.00865
.154	11.356	.00000	35.19855	1.41252	.19625	-.10469	.00072	.00014	-.00526
.154	12.428	.00000	35.14238	1.50569	.21702	-.13271	.00040	-.00172	-.00585
.155	13.508	.00000	35.23612	1.61063	.23834	-.16451	.00039	-.00179	-.00433
.155	14.428	.00000	35.24020	1.69363	.25710	-.18886	.00055	-.00269	-.00755
.155	15.500	.00000	35.34160	1.78428	.28094	-.21136	-.00013	-.00196	-.00383
.155	16.565	.00000	35.34940	1.85903	.30448	-.22360	-.00014	-.00180	-.00455
.155	17.574	.00000	35.48139	1.91336	.32856	-.22998	-.00012	-.00104	-.00206
.154	18.465	.00000	35.10048	1.96991	.35144	-.23089	-.00057	-.00120	-.00336
.155	19.444	.00000	35.34423	2.00439	.37781	-.22407	-.00052	-.00086	-.00518
.155	20.545	.00000	35.33369	2.03941	.41074	-.21314	-.00050	-.00074	-.00191
.155	21.579	.00000	35.36062	2.06374	.44366	-.19664	.00045	-.00133	-.00511
.155	22.555	.00000	35.45323	2.06941	.47929	-.19390	-.00028	.00042	-.00058
.155	23.670	.00000	35.58715	2.07376	.52785	-.21246	.00041	.00020	-.00058
.156	24.507	.00000	35.97679	2.07262	.56418	-.23833	.00179	-.00115	-.00514
.156	25.600	.00000	35.94208	2.07415	.61371	-.26894	.00196	-.00111	-.00319
.156	26.879	.00000	35.84171	2.06658	.67523	-.32491	.00051	-.00449	.00166
	GRADIENT	.00000	.01015	.10964	-.00070	-.01968	-.00003	-.00002	-.00033

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF084) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 84/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.751	.00000	35.00326	-.01289	.11007	.07133	.00096	.00042	-.00809
.154	.166	.00000	34.92521	.30401	.09674	.00772	.00089	.00213	-.00641
.154	2.373	.00000	34.94161	.56175	.09830	-.04252	.00055	.00139	-.00739
.154	4.252	.00000	34.97755	.74794	.10875	-.07157	.00050	-.00065	-.00846
.154	6.279	.00000	34.97663	.95577	.12631	-.11285	.00056	.00004	-.00704
.154	8.281	.00000	35.02032	1.15151	.15165	-.14999	.00052	-.00049	-.00590
.154	10.237	.00000	34.98211	1.33418	.18227	-.18533	.00091	-.00061	-.00571
.154	12.506	.00000	35.08734	1.55751	.22436	-.24491	.00063	-.00097	-.00412
.154	14.343	.00000	35.13705	1.72456	.26220	-.29444	.00005	-.00106	-.00381
.155	16.433	.00000	35.27548	1.87794	.30980	-.33208	-.00023	-.00153	-.00449
.155	18.496	.00000	35.37483	1.99769	.36040	-.32163	-.00041	-.00110	-.00815
.155	20.535	.00000	35.50727	2.07000	.41929	-.29611	-.00002	-.00081	-.00369
.155	22.450	.00000	35.65746	2.09247	.48509	-.28113	-.00006	.00017	-.00050
.155	24.536	.00000	35.62006	2.09468	.57427	-.32253	.00156	-.00086	-.00307
.156	26.883	.00000	35.72739	2.08810	.68619	-.41540	.00072	-.00437	.00279
	GRADIENT	.00000	-.00373	.10954	-.00033	-.02074	-.00007	-.00013	-.00006

(CA-8) K3V9.1.2TS5 F20TS401 (RJF085) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 85/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.902	.00000	35.38773	.00734	.10792	-.10435	.00057	-.00028	-.01124
.154	-1.834	.00000	35.10535	.12375	.10045	-.10817	.00086	.00107	-.01112
.154	.240	.00000	35.16009	.33803	.09482	-.12122	.00070	.00011	-.01175
.154	2.242	.00000	35 23514	.56467	.09609	-.13198	.00078	-.00012	-.01503
.154	4.253	.00000	35.06506	.76154	.10657	-.13404	.00094	.00171	-.01038
.154	5.277	.00000	35.05086	.85167	.11482	-.13494	.00093	.00067	-.01004
.155	6.346	.00000	35.27409	.94953	.12496	-.13673	.00086	.00021	-.00926
.154	7.369	.00000	35.03831	1.05570	.13602	-.13449	.00126	-.00007	-.01004
.155	8.344	.00000	35.36409	1.14440	.14896	-.13270	.00138	-.00061	-.01182
.154	9.354	.00000	35.24845	1.23510	.16257	-.12907	.00116	-.00100	-.01066
.154	10.357	.00000	35.08856	1.31977	.17818	-.13189	.00168	-.00060	-.01329
.154	11.402	.00000	34.82604	1.40257	.19575	-.13057	.00110	-.00055	-.01018
.154	12.405	.00000	35.12618	1.49955	.21236	-.13472	.00130	-.00150	-.01427
.154	13.456	.00000	35.23885	1.60443	.23132	-.14154	.00176	-.00094	-.01459
.154	14.441	.00000	35.15589	1.68618	.25100	-.14607	.00130	-.00118	-.01238
.155	15.503	.00000	35.34193	1.76086	.27314	-.14496	.00131	-.00182	-.01316
.155	16.470	.00000	35.53424	1.82144	.29240	-.14007	.00091	-.00102	-.00740
.154	17.553	.00000	35.24498	1.88441	.31640	-.13308	.00063	.00010	-.00580
.155	18.468	.00000	35.32606	1.93050	.33834	-.12510	.00040	.00030	-.00562
.155	19.552	.00000	35.64946	1.96792	.36720	-.11048	.00034	.00057	-.00654
.155	20.526	.00000	35.50459	2.00314	.39553	-.09669	.00049	.00035	-.00487
.155	21.495	.00000	35.50240	2.02646	.42622	-.07871	.00056	.00089	-.00499
.155	22.499	.00000	35.49312	2.03325	.46079	-.06261	.00158	.00012	-.00971
.155	23.499	.00000	35.51098	2.02831	.50074	-.05302	.00199	.00007	-.00576
.156	24.533	.00000	36.06491	2.01514	.54066	-.03869	.00277	.00047	-.00951
.156	25.513	.00000	35.98897	2.00425	.58103	-.02347	.00275	.00027	-.00783
.156	26.883	.00000	35.84024	1.97595	.63565	.00956	.00176	-.00366	-.00319
	GRADIENT	.00000	-.02510	.10598	-.00024	-.00451	.00003	.00014	-.00011

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(CA-8) K3V9.1.2TS5 F20TS402 (RJF086) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 86/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.865	.00000	35.39975	-.01222	.12598	-.08353	.00135	.00204	-.00693
.155	-1.872	.00000	35.29653	.10477	.11809	-.08561	.00137	.00039	-.01082
.154	.213	.00000	35.19221	.33367	.11103	-.10331	.00153	.00174	-.00693
.154	2.251	.00000	35.21515	.54155	.11320	-.11365	.00102	.00067	-.00857
.154	4.304	.00000	35.18018	.74614	.12237	-.11724	.00104	.00124	-.00860
.154	5.287	.00000	35.17899	.84407	.12978	-.11598	.00137	.00035	-.01172
.155	6.297	.00000	35.27241	.92959	.13897	-.11558	.00130	.00004	-.01154
.154	7.345	.00000	35.22787	1.02633	.15033	-.11665	.00125	.00106	-.00997
.154	8.354	.00000	35.21821	1.12115	.16332	-.11257	.00121	-.00017	-.00836
.154	9.386	.00000	35.05033	1.21933	.17632	-.11072	.00138	.00008	-.01026
.154	10.422	.00000	35.12656	1.30754	.19201	-.10685	.00119	-.00136	-.00972
.154	11.379	.00000	35.15246	1.39001	.20710	-.10758	.00154	.00033	-.01055
.154	12.407	.00000	35.21374	1.48162	.22533	-.10961	.00138	.00000	-.00799
.154	13.431	.00000	35.22643	1.57201	.24437	-.11262	.00115	-.00262	-.01053
.155	14.429	.00000	35.26527	1.64542	.26544	-.11380	.00125	-.00081	-.00570
.154	15.444	.00000	35.24836	1.73506	.28373	-.11503	.00121	-.00025	-.00757
.155	16.525	.00000	35.29464	1.80253	.30797	-.10902	.00138	-.00112	-.01004
.155	17.532	.00000	35.36813	1.85845	.33158	-.10240	.00088	.00035	-.00350
.155	18.493	.00000	35.43226	1.90792	.35374	-.09293	.00048	-.00077	-.00831
.155	19.493	.00000	35.43516	1.94914	.37968	-.07964	.00050	.00026	-.00684
.155	20.499	.00000	35.43954	1.98400	.40850	-.06341	.00062	.00035	-.00574
.155	21.491	.00000	35.44497	2.00499	.43845	-.04607	.00080	.00070	-.00258
.155	22.508	.00000	35.55719	2.01417	.47254	-.03290	.00090	.00118	-.00453
.155	23.516	.00000	35.56836	2.01057	.51319	-.02227	.00156	-.00020	-.00435
.156	24.502	.00000	35.79064	2.00086	.55065	-.00331	.00202	.00085	-.00535
.156	25.510	.00000	35.78376	1.98918	.59214	.00261	.00211	.00136	-.00463
.156	26.939	.00000	36.02085	1.96278	.64790	.03111	.00137	-.00248	-.00310
	GRADIENT	.00000	-.02668	.10555	-.00049	-.00517	-.00005	-.00005	-.00002

(CA-8) K3V9.1.2TS5 F20TS401 (RJF087) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 87/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.869	.000^0	35.24834	.03098	.10943	-.10856	.00107	.00001	-.01293
.154	-1.814	.00000	35.17296	.17894	.10057	-.11208	.00126	.00065	-.00404
.154	.233	.00000	35.06072	.38192	.09749	-.12565	.00165	.00053	-.01135
.154	2.264	.00000	35.23359	.58940	.10184	-.13985	.00166	.00089	-.01008
.154	4.300	.00000	35.11722	.78981	.11507	-.14057	.00181	-.00018	-.01093
.154	5.272	.00000	35.18994	.88747	.12307	-.14162	.00215	-.00072	-.01181
.154	6.335	.00000	35.16774	.98970	.13370	-.14046	.00207	-.00105	-.01468
.154	7.359	.00000	35.21529	1.08251	.14617	-.14004	.00242	-.00143	-.01649
.154	8.352	.00000	35.23777	1.17746	.15950	-.13549	.00234	-.00162	-.01416
.154	9.426	.00000	35.09716	1.28185	.17499	-.13454	.00239	-.00012	-.01206
.154	10.439	.00000	35.07427	1.35608	.19222	-.13324	.00235	-.00089	-.01116
.155	11.401	.00000	35.30664	1.43809	.20857	-.13036	.00202	-.00152	-.01355
.155	12.407	.00000	35.29952	1.52330	.22835	-.13409	.00215	-.00123	-.01456
.155	13.436	.00000	35.31522	1.63032	.24832	-.14024	.00203	-.00040	-.01209
.155	14.444	.00000	35.38832	1.71642	.26925	-.14362	.00221	-.00068	-.01300
.155	15.479	.00000	35.37110	1.78898	.29169	-.14249	.00209	-.00130	-.01317
.155	16.492	.00000	35.38577	1.85782	.31363	-.13866	.00168	-.00053	-.01180
.155	17.515	.00000	35.38681	1.91301	.33793	-.12981	.00093	-.00082	-.00992
.155	18.495	.00000	35.51735	1.96227	.36399	-.11879	.00048	-.00008	-.00966
.155	19.491	.00000	35.42417	2.00088	.39065	-.10352	.00060	.00053	-.00920
.155	20.500	.00000	35.33766	2.03257	.42228	-.08932	.00109	.00041	-.00899
.155	21.497	.00000	35.40693	2.05521	.45527	-.07320	.00156	.00017	-.00879
.155	22.558	.00000	35.41318	2.06338	.49321	-.05129	.00239	-.00006	-.01172
.156	23.513	.00000	35.78328	2.05968	.53165	-.03814	.00263	-.00038	-.00918
.156	24.507	.00000	35.77230	2.05104	.56879	-.02080	.00307	.00005	-.01077
.156	25.596	.00000	35.87930	2.03077	.61072	.00203	.00312	.00067	-.00921
.156	26.963	.00000	35.99763	2.00169	.66500	.03368	.00213	-.00443	-.01269
	GRADIENT	.00000	-.00966	.10417	.00087	-.00497	.00010	-.00002	-.00021

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF088) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	3.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 88/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.774	.00000	35.02027	.02960	.11219	-.02592	.00140	-.00015	-.01309
.154	-1.857	.00000	34.99418	.13262	.10592	-.04095	.00150	-.00051	-.01637
.154	.237	.00000	34.99051	.37217	.10089	-.09166	.00153	-.00047	-.01392
.155	2.285	.00000	35.45753	.58891	.10573	-.13950	.00184	.00062	-.01501
.154	4.289	.00000	34.82395	.80249	.11873	-.17480	.00151	-.00035	-.01128
.154	6.322	.00000	35.03399	1.00331	.13956	-.21156	.00187	-.00126	-.01327
.155	8.393	.00000	35.43139	1.21165	.16845	-.25135	.00233	-.00118	-.01351
.154	10.453	.00000	35.13129	1.40490	.20472	-.28522	.00237	-.00093	-.01115
.154	12.441	.00000	34.86746	1.56928	.24521	-.32291	.00140	-.00219	-.00977
.155	14.447	.00000	35.43536	1.77083	.29040	-.37556	.00073	-.00181	-.00545
.155	16.472	.00000	35.34023	1.91866	.33914	-.40283	.00106	-.00152	-.00967
.154	18.504	.00000	35.12572	2.03059	.39123	-.39565	-.00067	-.00063	-.00271
.155	20.517	.00000	35.65233	2.10138	.45311	-.37463	.00030	-.00082	-.00796
.155	22.567	.00000	35.57373	2.13451	.52884	-.36861	.00096	-.00053	-.00639
.156	24.552	.00000	35.88303	2.14118	.61468	-.39325	.00150	-.00108	-.00615
.156	26.964	.00000	36.13010	2.11806	.72758	-.47261	.00170	-.00519	-.00818
	GRADIENT	.00000	.00348	.10948	.00088	-.02174	.00003	.00005	.00033

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF089) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 89/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.768	.00000	35.33699	-.01052	.11137	.11277	.00128	-.00014	-.00820
.155	-1.811	.00000	35.31857	.10458	.10469	.09477	.00147	-.00066	-.01241
.155	.236	.00000	35.27375	.33481	.09864	.04782	.00170	.00151	-.01115
.154	2.303	.00000	35.20016	.56423	.10205	.00315	.00167	.00061	-.01237
.154	4.266	.00000	35.01606	.75736	.11378	-.03001	.00187	-.00080	-.01272
.155	6.347	.00000	35.28558	.98128	.13361	-.07191	.00225	-.00074	-.01404
.155	8.331	.00000	35.52788	1.16230	.16213	-.10256	.00226	-.00095	-.01069
.155	10.367	.00000	35.25953	1.36330	.19474	-.13919	.00198	-.00115	-.00951
.155	12.494	.00000	35.25609	1.56310	.23605	-.18583	.00211	.00005	-.00959
.155	14.549	.00000	35.27352	1.73422	.28165	-.23136	.00181	-.00075	-.00726
.155	16.505	.00000	35.49270	1.88247	.32774	-.26381	.00133	-.00171	-.00873
.155	18.494	.00000	35.49246	1.99477	.37963	-.26970	.00052	-.00039	-.00564
.155	20.559	.00000	35.35799	2.07154	.44123	-.24809	.00036	-.00021	-.00289
.155	22.554	.00000	35.39965	2.10833	.51320	-.23641	.00102	-.00052	-.00353
.156	24.640	.00000	35.74988	2.10805	.60107	-.26632	.00192	-.00106	-.00735
.156	26.989	.00000	35.68617	2.09410	.70963	-.34631	.00163	-.00498	-.00642
	GRADIENT	.00000	-.04254	.10896	.00029	-.02074	.00007	-.00001	-.00044

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF090) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 90/.0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.723	.00000	35.19951	-.05009	.11307	.27745	.00175	.00075	-.01019
.154	-1.853	.00000	35.22273	.05130	.10613	.26720	.00191	.00067	-.01124
.154	.211	.00000	35.15983	.28163	.09813	.22575	.00205	-.00046	-.01036
.154	2.298	.00000	35.21199	.51594	.09919	.18362	.00237	-.00099	-.01740
.154	4.264	.00000	35.11015	.70946	.10973	.15270	.00203	-.00029	-.01075
.155	6.320	.00000	35.43347	.90878	.12821	.11561	.00199	-.00037	-.00925
.154	8.366	.00000	35.04529	1.11707	.15427	.07721	.00248	-.00126	-.00819
.154	10.261	.00000	35.17440	1.30842	.18370	.04607	.00280	-.00014	-.00746
.154	12.488	.00000	35.20123	1.50185	.22534	.00503	.00193	-.00122	-.00533
.155	14.425	.00000	35.27494	1.67459	.26632	-.04234	.00253	-.00152	-.01098
.155	16.451	.00000	35.42497	1.83538	.31246	-.07830	.00186	-.00136	-.00785
.155	18.490	.00000	35.63603	1.95589	.36461	-.09429	.00100	-.00056	-.00681
.155	20.564	.00000	35.67576	2.03275	.42622	-.08867	.00072	-.00009	-.00389
.155	22.582	.00000	35.65373	2.06245	.49697	-.07440	.00145	-.00072	-.00572
.156	24.527	.00000	35.95033	2.06967	.57769	-.09891	.00247	-.00097	-.00843
.156	26.994	.00000	35.91788	2.05478	.68782	-.17676	.00094	-.00378	-.00303
	GRADIENT	.00000	-.01086	.10928	-.00058	-.01845	.00005	-.00020	-.00039

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF091) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 91/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.702	.00000	35.40932	-.01744	.11058	.20253	.00192	-.00051	-.01447
.155	-1.868	.00000	35.35300	.06504	.10470	.18507	.00177	-.00038	-.01049
.155	.201	.00000	35.32421	.30200	.09795	.13842	.00185	.00021	-.01298
.155	2.259	.00000	35.36937	.53503	.09983	.09198	.00202	.00013	-.01159
.155	4.269	.00000	35.36525	.73316	.11101	.05887	.00220	.00023	-.01225
.155	5.316	.00000	35.28983	.84617	.11925	.03955	.00225	.00005	-.01002
.155	6.314	.00000	35.31986	.93926	.12993	.02186	.00243	.00002	-.01091
.155	7.366	.00000	35.28489	1.04808	.14322	.00260	.00263	-.00070	-.01039
.155	8.358	.00000	35.25717	1.15423	.15701	-.01566	.00296	.00049	-.01020
.155	9.375	.00000	35.25021	1.23172	.17350	-.02925	.00260	-.00064	-.00806
.154	10.450	.00000	35.23320	1.32648	.19210	-.04373	.00261	-.00143	-.00970
.155	11.414	.00000	35.24657	1.41206	.20935	-.06150	.00225	-.00206	-.00734
.155	12.423	.00000	35.25474	1.51705	.22812	-.08704	.00216	-.00050	-.00707
.154	13.418	.00000	35.16047	1.60521	.25021	-.10801	.00205	-.00169	-.00695
.155	14.499	.00000	35.29174	1.70539	.27371	-.13553	.00193	-.00225	-.00901
.155	15.454	.00000	35.37479	1.79005	.29573	-.15642	.00135	-.00090	-.00339
.155	16.477	.00000	35.31944	1.85988	.31938	-.17009	.00133	-.00201	-.00494
.155	17.499	.00000	35.37697	1.92241	.34475	-.17747	.00102	-.00130	-.00690
.155	18.501	.00000	35.27874	1.97178	.37132	-.18055	.00045	-.00047	-.00697
.155	19.520	.00000	35.59519	2.01040	.40095	-.17848	.00065	-.00009	-.00424
.156	20.503	.00000	35.70226	2.04942	.43235	-.16868	-.00006	.00016	-.00179
.156	21.580	.00000	35.59504	2.07008	.46712	-.15902	.00105	-.00100	-.00484
.155	22.530	.00000	35.54249	2.08789	.50278	-.15491	.00195	-.00102	-.00573
.156	23.523	.00000	35.68569	2.08914	.54423	-.16498	.00215	-.00105	-.00505
.155	24.560	.00000	35.62850	2.09250	.58884	-.18172	.00248	-.00078	-.00639
.156	25.528	.00000	35.99621	2.08554	.63114	-.21102	.00221	-.00126	-.00582
.156	26.999	.00000	36.01522	2.08090	.70067	-.26958	.00137	-.00435	-.00402
	GRADIENT	.00000	-.00280	.10914	-.00005	-.02102	.00005	.00011	.00013

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5H15.6.1F20TS401 (RJF092) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 92/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.698	.00000	35.21489	-.12978	.12427	.62574	.00204	-.00008	-.01442
.155	-1.805	.00000	35.23018	-.03732	.11664	.61304	.00188	.00032	-.01434
.155	.196	.00000	35.23907	.19142	.10592	.58226	.00232	-.00022	-.01623
.155	2.258	.00000	35.29709	.41535	.10354	.54326	.00239	.00008	-.01471
.154	4.289	.00000	35.19059	.61781	.11082	.51254	.00225	.00017	-.01438
.155	6.318	.00000	35.26109	.82961	.12523	.47362	.00290	.00088	-.01248
.155	8.371	.00000	35.27585	1.02785	.14989	.42988	.00301	-.00043	-.01250
.155	10.395	.00000	35.26098	1.22160	.17910	.39155	.00256	.00000	-.00997
.154	12.435	.00000	35.19940	1.40061	.21426	.35179	.00270	-.00112	-.01319
.154	14.450	.00000	35.20054	1.58047	.25505	.30926	.00259	-.00074	-.01237
.154	16.498	.00000	35.14649	1.74957	.29805	.27812	.00191	-.00012	-.00914
.155	18.494	.00000	35.34724	1.86075	.34678	.26730	.00093	.00085	-.00713
.155	20.479	.00000	35.51666	1.93945	.40417	.25892	.00019	.00026	-.00457
.155	22.523	.00000	35.54633	1.98402	.47193	.26248	.00142	.00001	-.00706
.155	24.492	.00000	35.54314	1.99012	.55229	.22720	.00144	.00011	-.00582
.157	27.041	.00000	36.25048	1.95037	.66975	.18135	-.00450	-.01328	.00049
	GRADIENT	.00000	.00045	.10793	-.00204	-.01647	.00005	.00001	-.00000

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF093) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 93/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.740	.00000	35.33123	-.03443	.11253	.10909	.00119	.00042	-.01121
.154	.189	.00000	35.15241	.28876	.09775	.04267	.00104	-.00021	-.01346
.154	2.244	.00000	35.10423	.52124	.09787	-.00279	.00093	-.00020	-.01212
.154	4.326	.00000	35.12194	.73125	.10856	-.03665	.00057	.00036	-.00742
.154	6.297	.00000	35.08503	.91825	.12580	-.07453	.00042	-.00062	-.00879
.155	8.372	.00000	35.20480	1.12971	.14990	-.11897	.00042	-.00075	-.00881
.155	10.259	.00000	35.22797	1.30764	.17785	-.15630	.00046	-.00147	-.00636
.155	12.427	.00000	35.20111	1.50465	.21472	-.20440	.00051	-.00148	-.00729
.155	14.478	.00000	35.28931	1.69928	.25531	-.26232	.00066	-.00133	-.00874
.155	16.500	.00000	35.49209	1.84842	.29787	-.29400	.00029	-.00152	-.00908
.155	18.556	.00000	35.31415	1.96103	.34712	-.30066	-.00014	-.00005	-.00720
.155	20.586	.00000	35.34174	2.06958	.53562	.05438	.00017	.00087	-.00663
	GRADIENT	.00000	-.03047	.10890	-.00971	-.02086	-.00008	-.00002	.00049

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF094) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 94/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.747	.00000	35.26900	-.03270	.11405	.10591	.00078	.00008	-.01284
.155	.141	.00000	35.21295	.28250	.09918	.04305	.00085	.00091	-.01103
.154	2.222	.00000	35.16805	.51014	.10027	-.00264	.00058	.00097	-.00970
.155	4.351	.00000	35.19659	.73335	.10946	-.04111	.00037	.00070	-.01294
.155	5.299	.00000	35.21312	.82041	.11641	-.05684	.00018	-.00029	-.00996
.154	6.384	.00000	35.17853	.93660	.12593	-.08074	.00001	-.00013	-.00830
.155	7.394	.00000	35.24665	1.03502	.13691	-.10336	.00013	-.00034	-.00687
.155	8.376	.00000	35.25084	1.13007	.14897	-.12339	.00041	.00071	-.00811
.155	10.357	.00000	35.27587	1.32881	.17708	-.16498	.00055	-.00074	-.00988
.155	11.502	.00000	35.35094	1.42253	.19736	-.18736	.00066	-.00075	-.01043
.155	12.458	.00000	35.28907	1.52544	.21396	-.21604	.00075	-.00007	-.00984
.154	13.494	.00000	35.14841	1.62155	.23506	-.24231	.00064	-.00084	-.00983
.154	14.500	.00000	35.12484	1.70432	.25596	-.26750	.00047	-.00129	-.00860
.154	15.551	.00000	35.13343	1.79489	.27873	-.28792	.00031	-.00091	-.01008
.154	16.449	.00000	35.13460	1.85655	.30062	-.29631	.00027	-.00123	-.01003
.155	17.519	.00000	35.26941	1.91774	.32389	-.30365	-.00036	-.00084	-.00749
.155	18.486	.00000	35.43232	1.96684	.34651	-.30254	-.00024	-.00021	-.00909
.155	19.449	.00000	35.31506	2.00942	.37081	-.29400	-.00074	-.00028	-.00841
.155	20.548	.00000	35.38480	2.03405	.40107	-.28324	-.00103	-.00004	-.00648
.155	21.569	.00000	35.40533	2.05256	.43348	-.26601	-.00031	-.00033	-.00681
.155	22.568	.00000	35.45646	2.05664	.47203	-.27082	-.00013	-.00055	-.00311
.155	23.492	.00000	35.37907	2.05386	.51066	-.28946	.00041	-.00099	-.00560
.155	24.498	.00000	35.54151	2.04923	.55205	-.31940	.00044	-.00125	-.00685
.155	25.549	.00000	35.50766	2.04573	.59810	-.36818	.00007	-.00075	-.00690
.155	26.911	.00000	35.48481	2.03273	.65677	-.43599	-.00075	-.00263	-.00449
	GRADIENT	.00000	-.01163	.10911	-.00072	-.02087	-.00006	.00009	.00007

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF095) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 95/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.721	.00000	35.21262	-.07054	.11666	.18943	.00109	.00030	-.01504
.154	.171	.00000	35.12256	.25125	.10020	.13643	.00076	.00081	-.01036
.155	2.400	.00000	35.22721	.50260	.09954	.08938	.00061	.00048	-.01297
.155	4.213	.00000	35.31861	.67989	.10765	.05328	.00039	-.00023	-.01376
.155	6.307	.00000	35.34772	.89360	.12328	.02408	.00001	-.00071	-.00781
.155	8.351	.00000	35.39337	1.09763	.14576	-.01948	.00050	-.00059	-.01087
.154	10.361	.00000	35.05508	1.28925	.17387	-.05937	.00073	.00091	-.00964
.154	12.383	.00000	35.02356	1.47684	.20708	-.10497	.00077	-.00052	-.00951
.154	14.420	.00000	34.99756	1.67846	.24843	-.16090	.00064	-.00130	-.01099
.154	16.467	.00000	35.04811	1.82579	.29180	-.19150	.00023	-.00142	-.01138
.155	18.484	.00000	35.21789	1.94322	.34013	-.20564	.00014	.00011	-.00924
.155	20.597	.00000	35.43339	2.01955	.39662	-.19434	-.00035	-.00103	-.00884
.155	22.621	.00000	35.45158	2.03716	.46482	-.18258	-.00041	-.00035	-.00521
.155	24.647	.00000	35.55119	2.03409	.55162	-.24146	.00055	-.00096	-.00772
.155	26.919	.00000	35.51187	2.00890	.64470	-.35946	-.00062	-.00255	-.00561
	GRADIENT	.00000	.01623	.10892	-.00144	-.01854	-.00010	-.00007	.00011

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF096) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 0/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.699	.00000	35.08176	-.08362	.11848	.27675	.00108	.00144	-.01371
.154	.182	.00000	35.03744	.25020	.10053	.21752	.00131	-.00029	-.01497
.154	2.188	.00000	35.05094	.45587	.10032	.18176	.00093	-.00037	-.01698
.154	4.290	.00000	34.98959	.66396	.10720	.16050	.00049	.00082	-.01151
.154	6.324	.00000	35.00702	.87772	.12103	.12517	.00050	.00029	-.01387
.154	8.414	.00000	35.07883	1.07520	.14319	.08595	.00070	.00039	-.01181
.154	10.312	.00000	35.13123	1.25527	.16906	.05077	.00031	-.00090	-.01062
.154	12.524	.00000	35.11309	1.47431	.20500	-.00512	.00095	.00063	-.00998
.154	14.433	.00000	35.15178	1.63702	.24292	-.05157	.00024	-.00228	-.00634
.154	16.398	.00000	35.16010	1.79382	.28337	-.08837	.00025	-.00078	-.01135
.155	18.459	.00000	35.28985	1.91463	.33227	-.10713	.00049	.00028	-.01137
.155	20.630	.00000	35.34142	2.00116	.39066	-.10717	.00017	-.00084	-.01094
.155	22.544	.00000	35.58699	2.00963	.45229	-.10073	.00013	-.00133	-.00867
.155	24.675	.00000	35.60735	2.00613	.54352	-.16597	.00005	-.00054	-.00465
.156	26.945	.00000	35.72524	1.99220	.63811	-.26593	-.00047	-.00216	-.00233
	GRADIENT	.00000	-.01148	.10694	-.00167	-.01691	-.00009	-.00011	.00016

(CA-8) K2V9.1.2TS5 F20TS401 (RJF097) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 97/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.993	.00000	35.32331	.03063	.12603	.25776	.00093	.00004	-.01348
.155	.158	.00000	35.31022	.25541	.11446	.24462	.00086	.00103	-.00624
.155	2.344	.00000	35.29193	.47663	.10552	.23574	.00038	.00016	.00011
.155	4.365	.00000	35.24742	.67937	.11270	.23429	.00047	.00146	.00211
.154	6.302	.00000	35.09182	.85524	.11605	.23647	-.00020	-.00046	.01164
.154	8.358	.00000	35.07900	1.05242	.13308	.24048	.00036	-.00035	.01051
.154	10.495	.00000	35.02186	1.23409	.15389	.24122	.00021	-.00153	.01689
.154	12.336	.00000	35.03892	1.40912	.18074	.23681	.00085	-.00051	.01218
.154	14.423	.00000	35.09965	1.59237	.21310	.22365	.00037	-.00098	.02317
.154	16.654	.00000	35.14666	1.74741	.25164	.22674	-.00012	-.00113	.02439
.155	18.511	.00000	35.34916	1.85201	.29671	.23874	.00004	-.00017	.02321
.155	20.503	.00000	35.50819	1.91877	.34766	.26030	-.00014	-.00027	.02933
.155	22.590	.00000	35.24829	1.93569	.41601	.29300	-.00009	-.00079	.03708
.154	24.515	.00000	34.96996	1.91783	.48803	.31153	.00103	-.00105	.03330
.154	26.732	.00000	34.84987	1.96976	.56479	-.05833	-.00017	-.00303	.03075
	GRADIENT	.00000	-.01151	.10196	-.00233	-.00375	-.00009	.00016	.00251

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF098) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 98/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.700	.00000	35.01983	-.18322	.13697	.67454	.00196	-.00008	-.01904
.154	.119	.00000	35.01559	.13711	.11519	.62623	.00179	.00052	-.01803
.154	2.215	.00000	35.12932	.36542	.11115	.59989	.00177	.00066	-.01634
.154	4.287	.00000	35.09455	.55519	.11600	.58746	.00117	-.00042	-.01395
.154	6.340	.00000	35.11662	.75828	.12529	.56711	.00112	.00022	-.01279
.154	8.479	.00000	35.16538	.97381	.14412	.53398	.00123	-.00042	-.01658
.155	10.436	.00000	35.19938	1.15502	.16745	.49966	.00121	-.00102	-.01441
.155	12.500	.00000	35.20756	1.34571	.19809	.45620	.00129	-.00171	-.01622
.155	14.501	.00000	35.24846	1.53173	.23164	.41061	.00117	-.00105	-.01405
.155	16.399	.00000	35.28797	1.67388	.26731	.38521	.00101	-.00261	-.01439
.155	18.569	.00000	35.40042	1.80328	.31246	.35691	.00095	-.00126	-.01365
.155	20.588	.00000	35.53297	1.88350	.36470	.32714	.00026	-.00127	-.01088
.155	22.469	.00000	35.60072	1.91372	.42476	.30947	.00046	-.00118	-.01153
.155	24.605	.00000	35.50780	1.91843	.51851	.20216	.00083	-.00064	-.01061
.155	26.807	.00000	35.46352	1.89946	.60759	.09192	.00001	-.00357	-.00785
	GRADIENT	.00000	.01443	.10631	-.00308	-.01266	-.00010	-.00003	.00072

(CA-8) K2V9.1.2TS5H15.6.1F20TS401 (RJF099) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	17.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 99/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.887	.00000	35.36279	.03695	.11180	-.24346	.00106	.00065	-.01042
.155	.167	.00000	35.31531	.38523	.10059	-.31699	.00091	.00037	-.01155
.155	2.368	.00000	35.34276	.62677	.10444	-.36670	.00041	-.00032	-.00822
.155	4.474	.00000	35.32696	.84530	.11768	-.40420	.00053	-.00025	-.00828
.155	6.399	.00000	35.31022	1.03841	.13588	-.44448	.00104	-.00059	-.01381
.155	8.466	.00000	35.29679	1.23230	.16253	-.48231	.00050	-.00196	-.01007
.155	10.478	.00000	35.36822	1.42497	.19407	-.52494	.00053	-.00186	-.00968
.154	12.433	.00000	35.09136	1.60048	.23104	-.57123	.00062	-.00256	-.00994
.154	14.486	.00000	35.10419	1.80416	.27438	-.62890	.00078	-.00213	-.00976
.155	16.484	.00000	35.34601	1.94188	.31895	-.64642	.00042	-.00324	-.01100
.155	18.520	.00000	35.57672	2.05044	.36805	-.62179	.00008	-.00135	-.01117
.155	20.609	.00000	35.52291	2.10740	.42503	-.57471	.00020	-.00188	-.01187
.155	22.543	.00000	35.40181	2.11410	.49481	-.54687	.00048	-.00196	-.00767
.155	24.575	.00000	35.35908	2.11121	.58140	-.58189	.00100	-.00114	-.00671
.154	26.877	.00000	35.12052	2.09744	.68487	-.70121	-.00032	-.00269	-.00253
	GRADIENT	.00000	-.00367	.11001	.00068	-.02202	-.00009	-.00014	.00038

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402 (RJF100) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 100/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.823	.00000	35.23415	.02331	.12949	-.15834	.00147	-.00057	-.01002
.155	.232	.00000	35.18262	.37689	.11632	-.23589	.00169	-.00052	-.01787
.155	2.242	.00000	35.18864	.59443	.11970	-.28651	.00110	-.00075	-.01587
.155	4.340	-.01000	35.32120	.80839	.13249	-.32598	.00150	.00092	-.01299
.155	6.312	-.01000	35.40385	1.00256	.15070	-.36315	.00144	-.00117	-.01415
.155	8.395	.00000	35.28348	1.21164	.17816	-.40769	.00135	-.00155	-.00928
.155	10.504	.00000	35.31950	1.39595	.21369	-.44599	.00157	-.00176	-.01058
.155	12.509	.00000	35.29936	1.59443	.25190	-.49397	.00161	-.00261	-.01350
.155	14.458	-.01000	35.32035	1.78041	.29527	-.54222	.00155	-.00304	-.01441
.155	16.461	.00000	35.45922	1.92286	.34167	-.55812	.00126	-.00264	-.01229
.155	18.657	.00000	35.44166	2.03549	.39707	-.53218	.00055	-.00128	-.00992
.155	20.663	-.01000	35.56304	2.09538	.45567	-.48710	.00059	-.00148	-.01148
.155	22.604	-.01000	35.57260	2.11821	.52474	-.46334	.00074	-.00082	-.00797
.155	24.442	-.01000	35.51973	2.11889	.60417	-.48509	.00126	-.00086	-.00734
.156	26.704	-.01000	35.74318	2.10791	.70816	-.56249	.00068	-.00475	-.00588
	GRADIENT	-.00120	.00981	.10980	.00028	-.02367	-.00002	.00017	-.00040

(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402 (RJF101) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 101/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.749	.00000	35.20035	-.18653	.14883	.66208	.00258	.00083	-.01336
.155	.207	.00000	35.21082	.13675	.12647	.61566	.00266	.00065	-.01525
.155	2.263	.00000	35.18491	.36908	.12226	.58501	.00249	-.00019	-.01841
.155	4.297	.00000	35.18821	.56687	.12654	.57018	.00228	-.00014	-.01548
.154	6.244	.00000	35.15041	.75721	.13729	.54447	.00224	-.00014	-.01370
.155	8.301	.00000	35.24295	.96280	.15635	.51492	.00252	-.00011	-.01362
.155	10.311	.00000	35.22309	1.14604	.18105	.49141	.00236	-.00102	-.01316
.155	12.399	.00000	35.29596	1.33029	.21375	.46477	.00241	-.00106	-.01153
.155	14.524	.00000	35.28769	1.52836	.25213	.42760	.00250	-.00133	-.01107
.155	16.550	.00000	35.23108	1.67535	.29274	.41115	.00192	-.00145	-.00922
.155	18.655	-.01000	35.29251	1.78763	.34080	.39763	.00136	-.00124	-.00827
.155	20.563	.00000	35.38367	1.87726	.39121	.37689	.00166	-.00180	-.01294
.155	22.487	.00000	35.42480	1.92046	.45314	.36322	.00065	-.00065	-.00720
.155	24.509	-.01000	35.42611	1.92641	.53536	.30115	.00098	-.00050	-.00633
.155	26.820	.00000	35.35146	1.92527	.63940	.19276	.00091	-.00489	-.00484
	GRADIENT	.00000	-.00250	.10763	-.00328	-.01335	-.00004	-.00016	-.00044

(CA-8) K3.1V9.1.2TS5H15.6.1F10TS402 (RJF102) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
10RB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 102/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.956	.00000	35.12291	-.29752	.13188	.62575	.00196	-.00064	-.01452
.154	.039	.00000	35.13963	-.09213	.11190	.60836	.00229	-.00141	-.01779
.154	2.248	.00000	35.09236	.12443	.10012	.58175	.00218	-.00105	-.01951
.154	4.315	.00000	35.11751	.33317	.09894	.55202	.00216	-.00102	-.01655
.154	6.340	.00000	35.16885	.52339	.10508	.52719	.00221	-.00041	-.01349
.155	8.388	.00000	35.21117	.73970	.11969	.49764	.00228	.00015	-.01480
.155	10.280	.00000	35.19577	.91451	.14142	.47900	.00203	-.00058	-.01290
.155	12.390	.00000	35.21028	1.11462	.17120	.45055	.00229	-.00102	-.01506
.155	14.469	.00000	35.23896	1.30656	.20633	.40827	.00191	-.00175	-.01226
.154	16.452	.00000	35.16388	1.47297	.24571	.36714	.00147	-.00252	-.00934
.155	18.408	.00000	35.33734	1.61573	.28861	.33695	.00095	-.00209	-.00814
.155	20.434	-.01000	35.36512	1.72059	.34101	.32166	.00026	-.00152	-.00720
.155	22.553	-.01000	35.36864	1.79832	.41326	.28142	.00128	-.00151	-.00941
.155	24.457	-.01000	35.30824	1.84937	.49223	.21356	.00171	-.00173	-.00797
.155	26.981	-.01000	35.27733	1.87349	.59541	.10619	.00198	-.00092	-.00705
	GRADIENT	.00000	-.00312	.10029	-.00525	-.01180	.00002	-.00004	-.00037

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF103) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2346.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 103/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-1.960	.00000	35.11459	-.30040	.13248	.62603	.00190	-.00171	-.01500
.154	.122	.00000	35.13768	-.08829	.11166	.60824	.00207	-.00038	-.01216
.154	2.246	.00000	35.09181	.12218	.10044	.58247	.00182	-.00168	-.01672
.154	4.243	.00000	35.04259	.32786	.09871	.55274	.00201	-.00046	-.01549
.154	6.256	.00000	35.04244	.53169	.10442	.52626	.00207	-.00047	-.01256
.154	8.399	.00000	35.12929	.73595	.11985	.49647	.00212	-.00029	-.01193
.154	10.322	.00000	35.14873	.92481	.14039	.47682	.00212	-.00022	-.01268
.154	12.347	.00000	35.12784	1.10313	.17017	.45321	.00155	-.00108	-.01015
.154	14.401	.00000	35.07870	1.30175	.20421	.40977	.00166	-.00176	-.01143
.154	16.574	.00000	35.01119	1.49456	.24724	.36122	.00188	-.00244	-.01123
.155	18.548	.00000	35.19854	1.62822	.29141	.33442	.00067	-.00183	-.00484
.155	20.466	.00000	35.25661	1.72267	.34122	.32133	.00019	-.00115	-.00606
.155	22.443	-.01000	35.36262	1.79602	.40760	.28565	.00075	-.00133	-.00540
.155	24.425	.00000	35.24285	1.84986	.48987	.21225	.00108	-.00173	-.00393
.155	26.995	.00000	35.20071	1.87923	.59644	.10430	.00195	-.00070	-.00282
	GRADIENT	.00000	-.01258	.10105	-.00545	-.01184	.00000	.00012	-.00044

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF104) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 104/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.937	.00000	35.04441	-.15320	.12865	-.23442	.00127	-.00091	-.01340
.154	.106	.00000	35.01987	.15726	.10601	-.28910	.00143	-.00150	-.01464
.154	2.209	.00000	34.99517	.37728	.10220	-.33668	.00155	-.00017	-.01487
.154	4.379	.00000	35.08181	.59801	.10871	-.37981	.00124	-.00003	-.01288
.154	6.358	.00000	35.09238	.79643	.12381	-.42247	.00127	-.00047	-.01137
.154	8.377	.00000	35.08799	.98909	.14612	-.46715	.00136	-.00169	-.01370
.155	10.315	.00000	35.21411	1.16690	.17701	-.50905	.00139	-.00165	-.01141
.155	12.578	.00000	35.36492	1.37253	.21817	-.55718	.00106	-.00312	-.01189
.155	14.587	.00000	35.37564	1.56389	.26077	-.59522	.00111	-.00177	-.01046
.155	16.654	.00000	35.60033	1.73826	.30780	-.60462	.00088	-.00242	-.00735
.156	18.391	.00000	35.74698	1.85719	.35216	-.60399	.00058	-.00260	-.00769
.155	20.483	.00000	35.50490	1.96221	.41414	-.61627	.00025	-.00162	-.00769
.155	22.530	.00000	35.46312	2.02489	.49026	-.61976	.00053	-.00212	-.00625
.155	24.536	.00000	35.42061	2.05374	.57312	-.62678	.00163	-.00224	-.00585
.155	26.860	.00000	35.30388	2.07495	.67873	-.71412	.00317	-.00154	-.00717
	GRADIENT	.00000	.00297	.10283	-.00286	-.02004	.00000	.00015	.00003

(CA-8) K2V9.1.2TS5F30G5.3.5TS401 (RJF105) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 0/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.947	.00000	35.18517	-.21534	.12409	-.02813	.00115	-.00031	-.01362
.155	2.238	.00000	35.20700	.28487	.09258	-.03443	.00080	-.00142	-.01423
.154	4.305	.00000	35.12450	.49730	.09422	-.04124	.00102	.00031	-.01415
.154	6.212	.00000	35.16327	.67393	.10402	-.03704	.00074	.00043	-.01205
.155	8.273	.00000	35.20547	.86296	.12270	-.03676	.00104	-.00101	-.01553
.155	10.302	.00000	35.23808	1.05500	.14799	-.03219	.00132	-.00120	-.01635
.155	12.311	.00000	35.22768	1.23135	.17741	-.02803	.00147	-.00043	-.01340
.155	14.314	.00000	35.17902	1.40189	.21353	-.03404	.00117	-.00209	-.01143
.155	16.425	.00000	35.28237	1.57876	.25554	-.04234	.00103	-.00279	-.01182
.155	18.442	.00000	35.38187	1.72613	.30059	-.03928	.00127	-.00124	-.01259
.155	20.552	.00000	35.50036	1.81767	.35857	-.02266	.00100	-.00119	-.01028
.155	22.551	.00000	35.35332	1.87459	.42668	-.00316	.00158	-.00113	-.00938
.155	24.507	.00000	35.24693	1.89606	.50202	.01117	.00180	-.00123	-.00757
.155	26.885	.00000	35 19850	1.89303	.58990	.04656	.00262	-.00041	-.00510
	GRADIENT	.00000	-.00594	.09792	-.00450	-.00169	-.00003	.00003	-.00008

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF106) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 106/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.819	.00000	35.22616	-.26643	.13087	.19468	.00194	-.00102	-.01735
.155	.215	.00000	35.25398	.04682	.10295	.14741	.00196	-.00120	-.01871
.155	2.365	.00000	35.22898	.25186	.09628	.11085	.00140	-.00121	-.01805
.155	4.142	.00000	35.19965	.43743	.09771	.07823	.00152	-.00022	-.01620
.155	6.196	.00000	35.22826	.65182	.10810	.04103	.00178	-.00148	-.01694
.155	8.438	.00000	35.22188	.86661	.12875	-.00444	.00120	-.00139	-.01340
.155	10.409	.00000	35.17536	1.05888	.15513	-.04690	.00156	-.00146	-.01424
.155	12.414	.00000	35.19858	1.23882	.18883	-.08545	.00122	-.00236	-.01403
.155	14.354	.00000	35.22165	1.43952	.22529	-.14278	.00134	-.00118	-.01268
.155	16.403	.00000	35.20795	1.61050	.26932	-.18060	.00099	-.00237	-.01125
.155	18.534	.00000	35.46579	1.76424	.32043	-.19167	.00039	-.00314	-.01057
.155	20.503	.00000	35.50714	1.85569	.37733	-.20435	.00024	-.00232	-.01016
.155	22.467	.00000	35.53225	1.92618	.44783	-.23142	.00128	-.00213	-.01105
.155	24.528	.00000	35.40614	1.96660	.53552	-.27323	.00111	-.00173	-.00739
.155	26.907	.00000	35.58321	1.99050	.63851	-.35912	.00263	-.00198	-.00879
	GRADIENT	.00000	-.00376	.10063	-.00489	-.01691	-.00008	.00009	.00014

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF107) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 107/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.824	.00000	35.26600	-.23299	.12822	.10251	.00146	-.00066	-.01492
.155	.326	.00000	35.32023	.06829	.10203	.05233	.00136	-.00070	-.01514
155	2.369	.00000	35.20688	.28234	.09665	.01267	.00119	-.00069	-.01553
.155	4.318	.00000	35.17059	.48356	.09990	-.02161	.00129	-.00023	-.01578
.154	6.335	.00000	35.16607	.69315	.11070	-.06136	.00169	-.00135	-.01653
.154	8.485	.00000	35.06433	.89947	.13250	-.10840	.00138	-.00098	-.01301
.154	10.276	.00000	35.11101	1.08671	.15705	-.14810	.00130	-.00066	-.01488
.154	12.331	.00000	35.04055	1.25905	.19210	-.18389	.00098	-.00239	-.01305
.154	14.361	.00000	35.05420	1.45460	.23110	-.23866	.00104	-.00292	-.01445
.154	16.501	.00000	35.11916	1.65102	.27834	-.27213	.00078	-.00296	-.01225
.155	18.520	.00000	35.39640	1.78343	.32751	-.28524	.00045	-.00283	-.01143
.155	20.556	.00000	35.46509	1.88446	.38757	-.30236	.00051	-.00190	-.01083
.155	22.581	.00000	35.46366	1.95121	.46362	-.32570	.00090	-.00186	-.00975
.155	24.487	.00000	35.45339	1.98697	.54382	-.35647	.00104	-.00177	-.00522
.155	26.894	.00000	35.39314	2.00884	.64838	-.43355	.00247	-.00118	-.00647
	GRADIENT	.00000	-.01536	.10044	-.00413	-.01748	-.00003	.00005	-.00012

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF108) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 108/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.881	.00000	35.31316	-.22268	.12682	.00497	.00132	-.00162	-.01738
.154	.168	.00000	35.05833	.09143	.10159	-.04392	.00114	-.00124	-.01723
.155	2.222	.00000	35.30244	.30236	.09590	-.08625	.00098	-.00064	-.01465
.155	4.268	.00000	35.21971	.50234	.10051	-.12517	.00084	.00027	-.01351
.154	6.105	.00000	35.09347	.69515	.11418	-.16233	.00101	-.00062	-.01542
.155	6.333	.00000	35.17221	.71346	.11426	-.16356	.00116	-.00104	-.01629
.155	8.344	.00000	35.19866	.91718	.13527	-.21000	.00122	-.00120	-.01344
.154	10.353	.00000	35.07050	1.09821	.16475	-.25001	.00098	-.00251	-.01343
.154	12.357	.00000	35.10379	1.29533	.19882	-.29271	.00107	-.00244	-.01374
.154	14.409	.00000	35.09177	1.48302	.24025	-.33354	.00099	-.00219	-.01308
.155	16.413	.00000	35.42481	1.64406	.28461	-.35996	.00068	-.00335	-.01201
.155	18.465	.00000	35.33529	1.79863	.33503	-.37658	.00062	-.00235	-.00930
.155	20.542	.00000	35.46614	1.89561	.39642	-.39513	.00024	-.00167	-.00973
.155	22.495	.00000	35.38018	1.96425	.46880	-.41389	.00087	-.00179	-.00973
.156	24.526	.00000	35.89056	1.99833	.55454	-.43675	.00070	-.00108	-.00364
.156	26.862	.00000	35.77663	2.01750	.65599	-.52009	.00273	-.00182	-.00851
	GRADIENT	.00000	-.00453	.10162	-.00385	-.01831	-.00007	.00026	.00058

(CA-8) K3V9.1.2TS5H15.6.1F10TS40265.3.5 (RJF109) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 109/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.923	.00000	35.26063	-.21960	.15734	.10276	.00098	-.00054	-.01185
.155	.167	.00000	35.19385	.07683	.12880	.05258	.00175	-.00104	-.01796
.155	2.179	.00000	35.32995	.27513	.12166	.01103	.00130	-.00072	-.01698
.154	4.198	.00000	35.03881	.47585	.12397	-.02912	.00127	-.00026	-.01573
.154	6.284	.00000	35.08101	.68284	.13352	-.06852	.00125	-.00068	-.01030
.154	8.310	.00000	35.04821	.88717	.15310	-.11627	.00132	-.00090	-.01218
.154	10.361	.00000	35.08240	1.07021	.18189	-.15612	.00094	-.00166	-.01128
.154	12.374	.00000	35.02242	1.25760	.21277	-.19814	.00137	-.00255	-.01560
.154	14.461	.00000	35.06612	1.44076	.25222	-.25190	.00120	-.00208	-.01242
.155	16.460	.00000	35.28097	1.62091	.29418	-.28821	.00102	-.00291	-.01119
.155	18.518	.00000	35.44402	1.76637	.34200	-.30305	.00072	-.00107	-.00705
.156	20.504	.00000	35.67440	1.86316	.39988	-.31682	.00041	-.00157	-.00744
.155	22.536	.00000	35.52560	1.92504	.47486	-.32542	.00070	-.00201	-.00814
.155	24.507	.00000	35.59760	1.96258	.55476	-.34333	.00087	-.00143	-.00696
.156	26.901	.00000	35.61151	1.97962	.65394	-.40588	.00235	-.00100	-.00786
	GRADIENT	.00000	-.02143	.09764	-.00485	-.01858	.00003	.00004	-.00053

(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS (RJF110) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 110/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.804	.00000	35.21528	-.23585	.12763	.10068	.00131	-.00225	-.01164
.155	.122	.00000	35.34766	.05645	.10315	.05599	.00157	-.00154	-.01665
.154	2.207	.00000	35.14995	.27393	.09649	.01380	.00173	.00001	-.01771
.154	4.279	.00000	35.07579	.47872	.10095	-.01666	.00116	-.00072	-.01371
.155	6.337	.00000	35.21173	.69212	.11266	-.05303	.00140	-.00105	-.01333
.154	8.341	.00000	35.05913	.88965	.13285	-.09652	.00162	-.00095	-.01411
.154	10.374	.00000	35.00980	1.07855	.16157	-.13798	.00194	-.00130	-.01402
.154	12.355	.00000	35.14095	1.27119	.19463	-.18061	.00206	-.00018	-.01319
.155	14.391	.00000	35.30121	1.45829	.23572	-.23117	.00123	-.00241	-.01284
.155	16.502	.00000	35.32797	1.64735	.28283	-.27290	.00173	-.00210	-.01431
.155	18.533	.00000	35.36859	1.77883	.33211	-.28531	.00099	-.00222	-.00827
.155	20.496	.00000	35.41063	1.88084	.38819	-.30088	.00069	-.00163	-.00832
.155	22.508	.00000	35.42341	1.94697	.46324	-.31943	.00125	-.00186	-.00880
.156	24.499	.00000	35.79934	1.98526	.54574	-.33675	.00108	-.00184	-.00510
.156	26.877	.00000	35.83813	2.00922	.64924	-.40026	.00225	-.00146	-.00740
	GRADIENT	.00000	-.02391	.10117	-.00392	-.01686	-.00001	.00027	-.0038

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF111) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 111/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.829	.00000	35.31532	-.21992	.12752	.13412	.00179	-.00147	-.01315
.155	.107	.00000	35.27545	.07164	.10323	.08930	.00214	.00021	-.01236
.154	2.170	.00000	35.14491	.27997	.09738	.05210	.00232	-.00116	-.01601
.154	4.254	.00000	35.11943	.49123	.10217	01680	.00262	-.00062	-.01591
.154	6.241	.00000	35.12946	.69094	.11506	-.01304	.00329	-.00113	-.01423
.154	8.360	.00000	35.15286	.89757	.13799	-.05218	.00340	-.00122	-.01540
.154	10.425	.00000	35.14061	1.09501	.16959	-.08923	.00314	-.00146	-.01367
.154	12.368	.00000	35.09976	1.26953	.20381	-.11972	.00269	-.00260	-.01440
.154	14.387	.00000	35.11692	1.47152	.24542	-.17540	.00204	-.00284	-.01320
.155	16.468	.00000	35.25867	1.64293	.29343	-.21389	.00165	-.00261	-.01365
.155	18.458	.00000	35.38939	1.78977	.34538	-.23532	.00101	-.00228	-.01119
.155	20.474	.00000	35.36919	1.89095	.40623	-.25650	.00123	-.00185	-.01235
.155	22.511	.00000	35.52336	1.96314	.48297	-.27539	.00177	-.00219	-.01067
.155	24.518	.00000	35.50322	2.00218	.56315	-.29301	.00195	-.00204	-.00959
.156	26.875	.00000	35.98653	2.02099	.66354	-.35667	.00325	-.00178	-.01122
	GRADIENT	.00000	-.03035	.10041	-.00372	-.01664	.00011	.00007	-.00049

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF112) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 112/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.797	.00000	34.95257	-.23872	.12765	.21604	.00210	.00127	-.00689
.155	.192	.00000	35.18020	.06537	.10189	.17361	.00256	-.00148	-.01627
.154	2.163	.00000	35.14741	.27079	.09573	13538	.00278	-.00080	-.02004
.155	4.228	.00000	35.22827	.47093	.09991	.10100	.00264	-.00031	-.01487
.154	6.318	.00000	34.98471	.68132	.11283	.06989	.00340	-.00125	-.01438
.154	8.357	.00000	35.02419	.87245	.13411	.03627	.00340	-.00083	-.01342
.154	10.410	.00000	35.05589	1.07762	.16401	.00120	.00343	-.00131	-.01480
.154	12.462	.00000	34.96861	1.25802	.19978	-.03087	.00255	-.00177	-.01213
.154	14.456	.00000	35.10292	1.44537	.24013	-.06251	.00233	-.00243	-.01418
.155	16.421	.00000	35.21136	1.62272	.28509	-.12600	.00177	-.00249	-.01274
.155	18.460	.00000	35.48000	1.77034	.33627	-.14490	.00147	-.00171	-.01408
.155	20.478	.00000	35.51077	1.87112	.39736	-.16398	.00139	-.00184	-.01131
.155	22.490	.00000	35.56715	1.94086	.47046	-.18449	.00149	-.00126	-.00740
.156	24.556	.00000	35.67719	1.98633	.55396	-.20903	.00255	-.00271	-.01281
.156	26.897	.00000	35.77701	2.00432	.65423	-.27984	.00327	-.00197	-.01049
	GRADIENT	.00000	.03615	.10134	-.00412	-.01653	.00008	-.00021	-.00131

(CA-8) K3V9.1.2TS5H15.6.1F10TS402 (RJF113) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 113/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.817	.00000	35.09250	-.19340	.12664	.04952	.00214	-.00145	-.01288
.155	.184	.00000	35.30440	.10524	.10251	.00035	.00217	-.00147	-.01694
.155	2.203	.00000	35.28362	.31008	.09874	-.03577	.00226	-.00129	-.01575
.154	4.292	.00000	35.06254	.51878	.10411	-.07138	.00221	-.00053	-.01155
.154	6.344	.00000	35.13144	.72814	.11897	-.10449	.00323	-.00114	-.01388
.155	8.340	.00000	35.20376	.92405	.14163	-.14509	.00304	-.00142	-.01325
.154	10.314	.00000	35.15137	1.10971	.17270	-.17977	.00294	-.00166	-.01270
.155	12.408	.00000	35.28317	1.30807	.21066	-.22298	.00285	-.00131	-.01553
.155	14.467	.00000	35.27329	1.50142	.25400	-.26786	.00249	-.00234	-.01675
.155	16.451	.00000	35.39151	1.66684	.30186	-.30186	.00184	-.00190	-.01416
.155	18.450	.00000	35.40694	1.81366	.35391	-.32947	.00101	-.00289	-.01437
.155	20.506	.00000	35.45996	1.91747	.41849	-.34924	.00103	-.00257	-.01341
.155	22.510	.00000	35.50458	1.98117	.49275	-.36114	.00216	-.00225	-.01368
.156	24.502	.00000	35.66139	2.02173	.57431	-.37503	.00235	-.00263	-.01059
.156	26.853	.00000	35.90674	2.03887	.67581	-.43626	.00329	-.00198	-.01126
	GRADIENT	.00000	-.00104	.10026	-.00329	-.01706	.00001	.00012	.00015

(CA-8) K3V9.1.2TS5 F10TS402 (RJF114) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 114/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.899	.00000	35.27108	-.17364	.12301	-.04528	.00148	-.00042	-.00914
.155	.200	.00000	35.26986	.12952	.09929	-.04431	.00188	-.00038	-.01425
.155	2.182	.00000	35.19013	.32439	.09490	-.04896	.00197	.00009	-.01412
.155	4.240	.00000	35.18762	.52764	.09956	-.05088	.00183	-.00046	-.01212
.155	6.263	.00000	35.14150	.71310	.11250	-.04738	.00264	-.00008	-.01587
.154	8.305	.00000	35.12704	.90158	.13206	-.04403	.00283	-.00040	-.01481
.155	10.304	.00000	35.13136	1.07305	.16101	-.03553	.00258	-.00125	-.01312
.155	12.360	.00000	35.13168	1.24677	.19487	-.03153	.00245	-.00244	-.01692
.155	14.397	.00000	35.23666	1.43755	.23348	-.03711	.00247	-.00180	-.01638
.155	16.424	.00000	35.37162	1.60478	.27741	-.04251	.00237	-.00203	-.01602
.155	18.464	.00000	35.49883	1.74829	.32671	-.03430	.00231	-.00166	-.01762
.155	20.512	.00000	35.48530	1.84111	.38480	-.01879	.00234	-.00134	-.01522
.155	22.487	.00000	35.39501	1.90221	.45354	.00652	.00287	-.00102	-.01514
.156	24.587	.00000	35.67258	1.92891	.53078	.03611	.00313	-.00144	-.01252
.156	26.873	.00000	35.95899	1.91942	.61336	.07308	.00395	-.00071	-.01267
	GRADIENT	.00000	-.01359	.09822	-.00344	-.00086	.00005	.00002	-.00045

(CA-8) K2V9.1.2TS5F30G5.3.5TS401, (RJF115) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 115/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.922	.00000	35.10768	-.19197	.10904	-.07712	.00092	-.00091	-.01173
.154	.164	.00000	35.09215	.08871	.08519	-.07674	.00059	-.00001	-.01155
.155	2.176	.00000	35.14822	.29183	.07903	-.08013	.00046	-.00032	-.01173
.155	4.215	.00000	35.31275	.49243	.08119	-.07932	.00053	.00134	-.01168
.155	6.306	.00000	35.12882	.69129	.09139	-.07539	.00067	.00039	-.01294
.155	8.311	.00000	35.23125	.87846	.10819	-.07631	.00124	.00068	-.01407
.155	10.317	.00000	35.25316	1.06959	.13262	-.07275	.00135	.00040	-.01138
.155	12.365	.00000	35.20767	1.23250	.16297	-.07294	.00093	-.00193	-.01102
.155	14.403	.00000	35.23126	1.42100	.19776	-.08271	.00141	-.00114	-.01508
.155	16.429	.00000	35.21023	1.59271	.23521	-.08832	.00115	-.00075	-.01211
.155	18.503	.00000	35.51307	1.72381	.28053	-.08540	.00106	-.00181	-.01176
.155	20.496	.00000	35.21026	1.81785	.33104	-.07066	.00140	-.00110	-.01356
.155	22.456	.00000	35.53061	1.86500	.40016	-.05226	.00176	-.00230	-.00766
.155	24.539	.00000	35.25659	1.89336	.47899	-.03966	.00165	-.00130	-.01016
.156	26.834	.00000	35.92208	1.88834	.56207	-.00412	.00232	-.00056	-.00909
	GRADIENT	.00000	.02669	.09607	-.00405	-.00041	-.00006	.00027	.00000

(CA-8) K2V9.1.2TS5HI5.6.1F10TS401 (RJF116) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	3.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 116/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.161	.00000	35.49748	.12446	.08574	-.16495	.00075	-.00060	-.01482
.155	2.223	.00000	35.44845	.33972	.08122	-.20911	.00076	-.00074	-.01638
.155	4.242	.00000	35.14855	.52863	.08718	-.24431	.00025	-.00113	-.01144
.155	6.330	.00000	35.13087	.74796	.10094	-.28597	.00069	-.00055	-.01277
.155	8.337	.00000	35.14725	.94950	.12165	-.33516	.00121	-.00105	-.01574
.155	10.415	.00000	35.15060	1.15334	.15135	-.38025	.00100	-.00143	-.01662
.155	12.379	.00000	35.19168	1.32862	.18675	-.41865	.00076	-.00155	-.01722
.155	14.442	.00000	35.15855	1.51485	.22658	-.46508	.00081	-.00129	-.01822
.155	16.487	.00000	35.24551	1.70159	.26889	-.49150	.00043	-.00258	-.01635
.155	18.484	.00000	35.32405	1.82563	.31636	-.49917	-.00033	-.00120	-.00874
.155	20.485	.00000	35.35546	1.92905	.37229	-.51852	.00014	-.00150	-.01216
.155	22.474	.00000	35.34390	1.98157	.44867	-.53943	.00084	-.00246	-.00891
.156	24.595	.00000	35.87750	2.01748	.53783	-.57207	.00175	-.00249	-.01263
.156	26.803	.00000	35.90328	2.03861	.63556	-.64216	.00244	-.00240	-.01463
	GRADIENT	.00000	-.08528	.09906	.00034	-.01945	-.00012	-.00013	.00082

(CA-8) K2V9.1.2TS5H15.6.1F.10TS401 (RJF117) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 117/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.814	.00000	35.20676	-.23086	.11140	.04653	.00091	-.00121	-.01737
.155	.173	.00000	35.21382	.06417	.08590	-.00296	.00114	-.00066	-.01437
.155	2.204	.00000	35.12202	.28597	.07942	-.04349	.00108	-.00088	-.01599
.155	4.206	.00000	35.15056	.48826	.08261	-.08228	.00101	-.00017	-.01541
.155	6.253	.00000	35.12293	.69045	.09354	-.12180	.00090	-.00097	-.01446
.155	8.268	.00000	35.17137	.89452	.11311	-.17035	.00091	-.00011	-.00648
.155	10.358	.00000	35.17727	1.09908	.13945	-.21631	.00097	-.00104	-.01481
.155	12.436	.00000	35.19092	1.30329	.17308	-.26574	.00103	-.00196	-.01647
.155	14.435	.00000	35.09673	1.48765	.21392	-.32149	.00089	-.00214	-.01879
.155	16.484	.00000	35.12386	1.65686	.25514	-.35931	.00049	-.00235	-.01664
.155	18.478	.00000	35.34756	1.79299	.29998	-.36520	.00023	-.00180	-.01326
.155	20.510	.00000	35.43172	1.89549	.35678	-.38051	-.00045	-.00139	-.00922
.155	22.484	.00000	35.35120	1.94958	.43191	-.40431	.00042	-.00198	-.00790
.156	24.508	.00000	35.77875	1.99042	.51609	-.43986	.00083	-.00177	-.01170
.156	26.823	.00000	35.93466	2.01063	.61578	-.52070	.00196	-.00174	-.01250
	GRADIENT	.00000	-.01098	.10288	-.00426	-.01840	.00001	.00013	.00022

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K2V9.1.2TS5H15.6.1F10TS401 (RJF118) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 118/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.799	.00000	35.08389	-.28514	.11316	.22950	.00154	-.00098	-.01873
.155	.130	.00000	35.15441	.02120	.08529	.19324	.00155	-.00106	-.01704
.155	2.167	.00000	35.18600	.22251	.07776	.15596	.00157	-.00023	-.01824
.155	4.271	.00000	35.19491	.43798	.07893	.11942	.00128	.00007	-.01464
.155	6.310	.00000	35.07518	.64190	.08796	.08104	.00137	-.00051	-.01565
.154	8.278	.00000	34.98242	.83684	.10471	.03620	.00130	-.00050	-.01339
.154	10.315	.00000	35.01882	1.03798	.12869	- 00685	.00183	-.00088	-.01939
.155	12.352	.00000	35.11025	1.22283	.16051	-.04758	.00142	-.00229	-.01723
.155	14.395	.00000	35 26391	1.42744	.19719	-.11179	.00113	-.00244	-.01713
.155	16.408	.00000	35.11892	1.60490	.23846	-.16421	.00069	-.00275	-.01510
.155	18.467	.00000	35.33612	1.74548	.28411	-.18542	.00067	-.00210	-.01572
.155	20.474	.00000	35.40439	1.84771	.33723	-.19314	.00005	-.00160	-.01063
.155	22.511	.00000	35.37558	1.90064	.40941	-.21994	.00074	-.00216	-.00822
.156	24.549	.00000	35.67267	1.94699	.49539	-.26505	.00090	-.00195	-.01002
.156	26.840	.00000	35.83598	1.96593	.59130	-.34786	.00182	-.00170	-.01281
	GRADIENT	.00000	.01606	.10207	-.00494	-.01568	-.00003	.00016	.00047

(CA-8) K2V9.1.2TS5H15.6.1F10TS401 (RJF119) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 119/ 0 RN/L = .00 GRADIENT INTERVAL =. -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.799	.00000	35.20655	-.25343	.11093	.13663	.00123	-.00232	-.01907
.154	.160	.00000	35.05895	.03835	.08492	.09534	.00134	-.00146	-.01918
.155	2.212	.00000	35.17864	.25841	.07753	.05643	.00123	.00004	-.01682
.155	4.257	.00000	35.15996	.46250	.08097	.01789	.00105	-.00054	-.01682
.154	6.305	.00000	35.05556	.67445	.09065	-.02310	.00148	.00095	-.01580
.155	8.325	.00000	35.08392	.87159	.10774	-.06875	.00161	.00050	-.01569
.155	10.370	.00000	35.10015	1.06759	.13698	-.11115	.00127	-.00199	-.01856
.154	12.357	.00000	35.04092	1.26263	.16569	-.15813	.00125	-.00222	-.01595
.155	14.424	.00000	35.19401	1.45869	.20507	-.22087	.00069	-.00208	-.01477
.155	16.441	.00000	35.21940	1.64295	.24751	-.28780	.00060	-.00219	-.01454
.155	18.563	.00000	35.36428	1.78070	.29368	-.27684	.00028	-.00128	-.01205
.155	20.498	.00000	35.35961	1.87148	.34874	-.28766	-.00008	-.00207	-.01274
.155	22.399	.00000	35.36069	1.92592	.42019	-.31606	.00077	-.00257	-.00931
.156	24.446	.00000	35.73721	1.96634	.50370	-.35615	.00088	-.00190	-.01197
.156	26.841	.00000	35.82497	1.99228	.60405	-.44133	.00144	-.00052	-.00818
	GRADIENT	.00000	-.00261	.10187	-.00441	-.01689	-.00003	.00030	.00038

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K2V9.1.2TS5H15.6.1F10TS401 (RJF120) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 120/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.785	.00000	35.10984	-.38056	.12947	.64759	.00206	-.00085	-.01545
.154	.146	.00000	34.93238	-.09908	.09763	.62502	.00195	-.00027	-.01269
.155	2.091	.00000	35.18724	.10789	.08562	.59997	.00207	-.00177	-.01892
.155	4.206	.00000	35.27518	.32120	.08328	.57333	.00177	.00035	-.01350
.155	6.205	.00000	35.25126	.51457	.08860	.54571	.00159	-.00070	-.01367
.155	8.276	.00000	35.26864	.72028	.10205	.50858	.00140	-.00003	-.00993
.155	10.325	.00000	35.32738	.92841	.12546	.47032	.00192	-.00048	-.01577
.155	12.449	.00000	35.30918	1.12483	.15303	.43391	.00150	-.00063	-.01301
.155	14.337	.00000	35.25928	1.30710	.18160	.38560	.00156	-.00046	-.01416
.155	16.405	.00000	35.28102	1.49424	.22015	.32308	.00105	-.00147	-.01210
.155	18.435	.00000	35.22928	1.64745	.26330	.27670	.00067	-.00155	-.01314
.155	20.438	.00000	35.37708	1.74308	.31334	.25744	.00050	-.00114	-.01010
.155	22.562	.00000	35.39906	1.80577	.38721	.21618	.00105	-.00159	-.00849
.155	24.483	.00000	35.46277	1.85274	.46540	.14092	.00054	-.00084	-.00732
.156	26.903	.00000	35.64641	1.87675	.56404	.04464	.00121	-.00021	-.00883
	GRADIENT	.00000	.02912	.10071	-.00676	-.01069	-.00003	.00009	.00001

(CA-8) K2V9.1.2TS6H15.6.1F10TS401 (RJF121) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC.		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 121/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.912	.00000	35.23922	-.12945	.11244	-.32246	.00079	-.00092	-.01217
.155	.221	.00000	35.21430	.18431	.09055	-.37046	.00108	-.00037	-.01107
.155	2.225	.00000	35.21043	.38212	.08830	-.41101	.00096	-.00003	-.01157
.156	4.285	.00000	35.26704	.59355	.09544	-.44998	.00071	-.00011	-.00924
.155	6.219	.00000	35.31032	.78586	.10999	-.48791	.00068	-.00041	-.00921
.155	8.396	.00000	35.11816	1.01044	.13187	-.54120	.00144	-.00087	-.01202
.155	10.391	.00000	35.15959	1.19318	.16248	-.58156	.00149	-.00167	-.01325
.155	12.380	.00000	35.32758	1.39576	.19743	-.63144	.00133	-.00141	-.01239
.154	14.425	.00000	34.85985	1.59346	.23973	-.68229	.00124	-.00065	-.01135
.155	16.485	.00000	35.21478	1.76629	.28366	-.69237	.00113	-.00134	-.01333
.155	18.549	.00000	35.43233	1.89861	.33484	-.67919	.00041	-.00150	-.00726
.156	20.504	.00000	35.74330	1.98923	.39082	-.68672	.00092	-.00162	-.01149
.157	22.522	.00000	35.93072	2.02688	.46745	-.69563	.00147	-.00168	-.00588
.156	24.449	.00000	35.85747	2.06676	.54931	-.71250	.00140	-.00160	-.00605
.156	26.791	.00000	35.89301	2.08235	.64996	-.78827	.00231	-.00038	-.00450
	GRADIENT	.00000	.00264	.10028	-.00253	-.01780	-.00001	.00012	.00034

(CA-8) K2V8.1.2TS6 F0TS401 (RJF122) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 122/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.951	.00000	35.41381	-.31198	.05059	-.03086	.00062	.00083	-.01563
.155	.229	.00000	35.14612	-.03361	.04388	-.02837	.00023	-.00011	-.01219
.155	2.263	.00000	35.23155	.15091	.04365	-.02146	.00026	-.00040	-.01479
.155	4.161	.00000	35.18360	.31757	.04833	-.01861	.00011	-.00020	-.01481
.155	6.232	.00000	35.00924	.49628	.05806	- 01911	.00036	.00039	-.01342
.155	8.250	.00000	35.31279	.66443	.07212	-.01697	.00054	.00012	-.01086
.155	10.200	.00000	35.10627	.81506	.09253	-.00629	.00071	-.00108	-.01117
.155	12.381	.00000	35.18370	.96460	13454	.01159	.00015	-.00032	-.00999
.155	14.387	.00000	35.42784	1.08387	.19315	.02199	.00069	-.00141	-.01016
.156	16.393	.00000	35.48706	1.18643	.25909	.04904	.00094	-.00044	-.00997
.156	18.357	.00000	35.54621	1.27721	.32774	.07768	.00111	-.00095	-.00947
.156	20.385	.00000	35.82140	1.32652	.40141	.10113	.00120	-.00234	-.00625
.157	22.418	.00000	36.10103	1.33376	.47029	.12485	.00037	-.00080	-.00636
.157	24.492	.00000	35.95502	1.34942	.53684	.14904	.00009	.00069	-.00652
.158	26.724	.00000	36.70897	1.36019	.60274	.17727	-.00092	.00133	-.00156
	GRADIENT	.00000	-.02889	.08866	-.00183	.00182	-.00007	-.00016	.00005

(CA-8) K2V9.1.2TS6H15.6.1F0TS401 (RJF123) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 123/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.774	.00000	35.08788	-.37748	.06835	.26346	.00116	.00050	-.01352
.155	.231	.00000	35.06495	-.09443	.04972	.21751	.00097	-.00007	-.01395
.155	2.158	.00000	35.08280	.08931	.04742	.18507	.00050	-.00053	-.01644
.154	4.339	.00000	34.90437	.29053	.05213	.14194	.00030	.00001	-.01282
.155	6.157	.00000	35.32663	.45342	.06107	.10200	.00072	.00008	-.01259
.155	8.267	.00000	35.09836	.64286	.07520	.05431	.00114	-.00106	-.01334
.155	10.268	.00000	35.18554	.81796	.09724	.01794	.00116	- 00195	-.01405
.155	12.295	.00000	35.14568	.96040	.13739	-.00568	.00042	-.00138	-.00911
.156	14.270	.00000	35.50110	1.08913	.19557	-.03889	.00082	-.00200	-.01176
.155	16.211	.00000	35.32880	1.20514	.26270	-.05246	.00064	-.00170	-.00960
.156	18.301	.00000	35.55466	1.30728	.33714	-.06171	.00050	-.00154	-.00624
.157	20.359	.00000	35.95753	1.38090	.41884	-.08651	.00122	-.00373	-.00930
.157	22.434	.00000	36.02101	1.39578	.49224	-.11519	-.00063	-.00064	-.00279
.158	24.311	.00000	36.42434	1.43230	.56366	-.17147	-.00047	-.00040	-.00342
.157	26.489	.00000	36.21316	1.48847	.65027	-.30070	-.00067	.00022	-.00410
	GRADIENT	.00000	-.02208	.09405	-.00237	-.01698	-.00013	-.00009	-.00003

(CA-8) K2V9.1.2TS6H15.6.1F0TS401 (RJF124) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 124/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.843	.00000	35.12976	-.35442	.06722	.16801	.00135	-.00086	-.01801
.155	.194	.00000	35.13048	-.06796	.04888	.11287	.00103	-.00086	-.01817
.155	2.161	.00000	35.15055	.11475	.04797	.07724	.00040	-.00027	-.01397
.155	4.279	.00000	35.13652	.30524	.05334	.03500	.00050	-.00022	-.01263
.155	6.239	.00000	35.21350	.49392	.06270	-.00890	.00049	-.00094	-.00962
.155	8.257	.00000	35.18389	.67242	.07800	- 05587	.00102	-.00039	-.01278
.155	10.261	.00000	35.20074	.84458	.10158	-.09188	.00050	- 00156	-.01169
.155	12.266	.00000	35.22451	.98897	.14155	-.11925	.00056	-.00187	-.01114
.155	14.425	.00000	35.26681	1.13103	.20770	-.15066	.00080	-.00245	-.01165
.155	16.340	.00000	35.37234	1.23628	.27341	-.16091	.00078	-.00180	-.01136
.156	18.356	.00000	35.73748	1.33507	.34706	-.17090	.00035	-.00156	-.00901
.156	20.400	.00000	35.65277	1.40744	.42959	-.18925	.00073	-.00295	-.00796
.157	22.456	.00000	36.06354	1.42592	.50598	-.21831	-.00042	-.00069	-.00253
.157	24.377	.00000	36.19205	1.45920	.57776	-.27330	-.00031	-.00003	-.00415
.158	26.680	.00000	36.59107	1.50866	.66817	-.39729	-.00029	.00019	-.00371
	GRADIENT	.00000	.00172	.09273	-.00203	-.01860	-.00014	.00010	.00083

(CA-8) K2V9.1.2TS6H15.6.1F0TS401 (RJF125) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 125/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.881	.00000	35.08947	-.33541	.06708	.06803	.00086	.00031	-.01321
.155	.198	.00000	35.11362	-.04280	.04883	.00975	.00053	.00085	-.01202
.155	2.170	.00000	35.10945	.14294	.04851	-.02731	.00038	.00006	-.01356
.155	4.176	.00000	35.12798	.33245	.05434	-.06808	.00025	-.00064	-.01371
.155	6.304	.00000	35.18537	.51433	.06585	-.11704	.00042	-.00096	-.01355
.155	8.233	.00000	35.21262	.69726	.08172	-.16289	.00058	-.00102	-.01395
.155	10 243	.00000	35.08535	.86709	.10670	-.20055	.00058	-.00187	-.01273
.155	12.391	.00000	35.39437	1.02819	.15167	-.23061	.00000	-.00157	-.00957
.155	14.873	.00000	35 27577	1.18738	.23164	-.26191	.00026	-.00199	-.00977
.156	16.474	.00000	35.66750	1.27179	.28753	-.26818	.00013	-.00112	-.00653
.156	18.413	.00000	35.69930	1.36555	.35940	-.26749	.00023	-.00143	-.00770
.157	20.420	.00000	35.94653	1.42982	.44073	-.28702	.00093	-.00317	-.00873
.157	22.374	.00000	36.09948	1.44529	.51334	-.30702	-.00061	-.00117	-.00368
.157	24.475	.00000	36 27272	1.47819	.59267	-.36672	-.00064	-.00041	-.00309
.157	26.646	.00000	36.32425	1.52338	.67859	-.47942	-.00046	.00098	-.00442
	GRADIENT	.00000	.00491	.09462	-.00191	-.01922	-.00009	-.00014	-.00011

(CA-8) K3V9.1.2TS6H15.6.1F0TS401 (RJF126) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 126/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.830	.00000	35.03349	-.34692	.06250	.31815	.00185	-.00080	-.01686
.155	.089	.00000	35.03220	-.07824	.04695	.27950	.00137	.00047	-.01301
.155	2.215	.00000	35.02858	.11211	.04627	.24321	.00143	-.00019	-.01505
.154	4.186	.00000	34.95969	.30281	.05253	.20635	.00179	-.00097	-.01754
.154	6.207	.00000	34.93469	.49502	.06379	.16104	.00187	-.00027	-.01400
.155	8.251	.00000	35.01646	.68297	.08192	.11541	.00236	-.00085	-.01361
.155	10.211	.00000	35.03892	.84327	.10702	.07898	.00217	-.00188	-.01481
.155	12.220	.00000	35.06552	.99993	.14991	.05036	.00131	-.00062	-.00946
.155	14.312	.00000	35.19508	1.13585	.21406	.01767	.00236	-.00261	-.01149
.156	16.382	.00000	35.55618	1.25403	.28489	.00010	.00265	-.00183	-.01401
.156	18.452	.00000	35.78623	1.36395	.36213	-.01884	.00206	-.00154	-.01075
.156	20.369	.00000	35.83590	1.43617	.44197	-.04093	.00162	-.00265	-.00924
.157	22.337	.00000	35.94360	1.46128	.51820	-.05900	.00069	-.00151	-.00592
.157	24.356	.00000	35.99272	1.49878	.59609	-.10690	-.00013	-.00045	-.00336
.157	26.722	.00000	36 16293	1.55244	.69080	-.23623	-.00056	.00084	-.00119
	GRADIENT	.00000	-.00911	.09248	-.00152	-.01567	-.00001	-.00003	-.00011

(CA-8) K3V9.1.2TS6H15.6.1F.0TS401 (RJF127) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 127/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.836	.00000	34.95780	-.32885	.06098	.23026	.00168	.00027	-.01403
.155	.130	.00000	35.02249	-.05425	.04616	.18260	.00136	.00070	-.01260
.154	2.171	.00000	35.00489	.14754	.04708	.14482	.00141	-.00055	-.01599
.155	4.176	.00000	35.05840	.33494	.05390	.10698	.00172	-.00037	-.01689
.155	6.267	.00000	35.28864	.53153	.06685	.05876	.00243	-.00068	-.01670
.155	8.238	.00000	35.29116	.69487	.08486	.01789	.00204	-.00094	-.01342
.155	10.263	.00000	35.22253	.87422	.11124	-.02469	.00158	-.00184	-.01240
.155	12.399	.00000	35.25039	1.03147	.15799	-.05460	.00128	-.00166	-.01164
.155	14.350	.00000	35.32842	1.16392	.22140	-.08739	.00223	-.00243	-.01214
.156	16.434	.00000	35.51066	1.27953	.29304	-.10289	.00195	-.00148	-.01062
.156	18.398	.00000	35.69122	1.38119	.36622	-.11732	.00174	-.00136	-.01064
.156	20.350	.00000	35.61905	1.46049	.44864	-.13590	.00130	-.00229	-.00905
.156	22.459	.00000	35.78047	1.48862	.53387	-.15603	.00031	-.00087	-.00541
.157	24.462	.00000	36.31187	1.51882	.60883	-.19766	-.00007	-.00019	-.00288
.157	26.738	.00000	36.18695	1.57290	.70337	-.32827	-.00038	.00086	-.00200
	GRADIENT	.00000	.01254	.09496	-.00108	-.01759	.00000	-.00013	-.00048

(CA-8) K3V9.1.2TS6H15.6.1F0TS401 (RJF128) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 128/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.841	.00000	35.21113	-.30493	.06106	.14276	.00145	- 00084	-.01538
.155	.126	.00000	35.23667	-.02168	.04764	.08539	.00126	-.00145	-.01650
.155	2.143	.00000	35.29221	.16420	.04879	.05088	.00089	-.00023	-.01250
.155	4.286	.00000	35.16775	.37586	.05745	.00336	.00180	-.00155	-.01808
.155	6.327	.00000	35.24564	.55593	.07135	-.04053	.00184	-.00101	-.01465
.155	8.248	.00000	35.26908	.73592	.08952	-.09116	.00204	-.00164	-.01242
.155	10.321	.00000	35.13302	.90695	.11838	-.13155	.00151	-.00252	-.01457
.155	12.365	00000	35.15730	1.05261	.16301	-.16157	.00116	-.00211	-.01279
.155	13.326	.00000	35.21835	1.12029	.19214	-.17988	.00108	-.00200	-.01089
.155	14.303	.00000	35.15971	1.18156	.22573	-.19253	.00210	-.00334	-.01257
.156	16.391	.00000	35.59149	1.30016	.29905	-.20777	.00161	-.00146	-.01045
.156	18.428	.00000	35.74018	1 40820	.37705	-.21756	.00135	-.00099	-.00819
.156	20.369	.00000	35.75257	1.47871	.45881	-.22872	.00139	-.00328	-.01133
.156	22.406	.00000	35.78124	1.50484	.54063	-.24203	.00061	-.00169	-.00670
.157	24.516	.00000	36.09865	1.54835	.62613	-.30152	-.00057	-.00006	-.00465
.157	26.759	.00000	36.08803	1.59384	.71836	-.41397	-.00026	.00129	-.00165
	GRADIENT	.00000	-.00245	.09522	-.00059	-.01933	.00002	-.00004	-.00017

(CA-8) K3V9.1.2TS6 FOTS401 (RJF129) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 129/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.923	.00000	35.14900	-.25079	.05927	-.03890	.00097	.00067	-.01022
.155	.147	.00000	35.06550	.01088	.04600	-.03835	.00104	.00018	-.01497
.155	2.132	.00000	35.11163	.19526	.04719	-.03430	.00069	.00035	-.01303
.155	4.192	.00000	35.21561	.36898	.05496	-.03198	.00095	.00031	-.01349
.155	6.324	.00000	35.25559	.56222	.06732	-.03300	.00143	-.00099	-.01536
.155	8.269	.00000	35.29582	.72462	.08448	-.03065	.00146	-.00051	-.01149
.155	10.434	.00000	35.29637	.88380	.11110	-.01929	.00094	-.00093	-.00995
.155	12.331	.00000	35.28726	1.00885	.14953	.00086	.00123	-.00128	-.00976
.155	14.292	.00000	35.45068	1.13667	.21004	.01241	.00215	-.00217	-.01246
.156	16.331	.00000	35.53019	1.24016	.27813	.04166	.00283	-.00092	-.01227
.156	18.352	.00000	35.70566	1.33932	.35185	.07584	.00295	-.00086	-.01052
.156	20.451	.00000	35.78784	1.40129	.42989	.10532	.00249	-.00136	-.00812
.156	22.340	.00000	35.83248	1.41121	.49880	.13097	.00202	-.00049	-.00781
.157	24.355	.00000	35.96845	1.42958	.56839	.16343	.00090	.00107	-.00165
.158	26.726	.00000	36.48348	1.44142	.64287	.19719	.00064	.00198	-.00460
	GRADIENT	.00000	.00855	.08752	-.00071	.00102	-.00002	-.00004	-.00039

(CA-8) K3V9.1.2TS6 F0TS402 (RJF130) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
IORB = 6.000 ELEVON = .000
BDFLAP = .000

RUN NO. 130/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.960	.00000	34.93757	-.27788	.07464	-.01629	.00130	.00027	-.01473
.155	.125	.00000	35.03854	.00131	.05934	-.01749	.00117	-.00005	-.01456
.155	2.146	.00000	35.06854	.17115	.06013	-.01254	.00079	-.00153	-.01940
.155	4.205	.00000	35.09100	.34677	.06759	-.01344	.00080	-.00080	-.01302
.155	6.325	.00000	35.10489	.54773	.07931	-.01294	.00103	-.00005	-.01354
.155	8.239	.00000	35.10264	.70017	.09485	-.01238	.00115	-.00073	-.01635
.155	10.257	.00000	35.16405	.84982	.11848	.00255	.00061	-.00131	-.01288
.155	12.437	.00000	35.15664	.99597	.16272	.02568	.00045	-.00109	-.00882
.155	14.248	.00000	35.23708	1.11611	.21862	.03671	.00087	-.00159	-.00760
.155	16.388	.01000	35.40257	1.21810	.28803	.06938	.00237	-.00128	-.01284
.156	18.418	.01000	35.90124	1.31838	.36195	.09827	.00241	-.00080	-.01077
.157	20.444	.01000	35.91287	1.38417	.43837	.12831	.00191	-.00102	-.00873
.157	22.422	.01000	35.90828	1.39731	.51110	.15475	.00119	-.00026	-.00670
.157	24.447	.01000	35.95381	1.41794	.58155	.18530	.00033	.00089	-.00291
.157	26.717	.01000	36.07511	1.43503	.65459	.21480	.00005	.00175	-.00107
	GRADIENT	.00000	.02145	.08708	-.00108	.00054	-.00008	-.00020	-.00001

(CA-8) K3V9.1.2TS6H15.6.1F0TS402 (RJF131) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	.000		

RUN NO. 131/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-2.852	.00000	35.43724	-.36328	.08127	.33330	.00187	.00088	-.01305
.155	.225	.00000	35.14443	-.07504	.06289	.28553	.00165	-.00148	-.01476
.155	2.160	.00000	35.03498	.10949	.06229	.25116	.00172	-.00041	-.01612
.155	4.284	.00000	35.11201	.29851	.06806	.21119	.00141	-.00089	-.01407
.155	6.385	.00000	35.12982	.49941	.08043	.16617	.00186	-.00077	-.01468
.155	8.172	.00000	35.21428	.66920	.09514	.12783	.00202	-.00003	-.01326
.155	10.323	.00000	35.23148	.84520	.12248	.09012	.00153	-.00171	-.01271
.155	12.163	.00000	35.25736	.97543	.16186	.07219	.00105	-.00169	-.01170
.155	14.391	.00000	35.36139	1.11406	.22572	.04454	.00137	-.00224	-.00925
.155	16.343	.00000	35.43551	1.22340	.29219	.03541	.00207	-.00155	-.00855
.156	18.441	.00000	35.60433	1.34719	.37315	.01878	.00142	-.00143	-.00690
.156	20.490	.00000	35.62269	1.41897	.45388	-.00164	.00089	-.00220	-.00497
.156	22.459	.00000	35.80883	1.44354	.53157	-.02370	-.00023	-.00108	-.00370
.157	24.484	.00000	35.94579	1.48568	.61177	-.08004	-.00086	-.00025	-.00066
.157	26.740	.00000	36.23182	1.53770	.70185	-.21152	-.00060	.00058	-.00041
	GRADIENT	.00000	-.04914	.09301	-.00194	-.01708	-.00006	-.00021	-.00021

(CA-8) K3V9.1.2TS6H15.6.1F0TS402 (RJF132) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	.000		

RUN NO. 132/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	-2.837	.00000	34.83769	-.31526	.07758	.15365	.00176	.00104	-.01056
.154	.236	.00000	34.87543	-.02777	.06206	.09675	.00140	.00045	-.01354
.155	2.160	.00000	35.06965	.15053	.06293	.06064	.00107	-.00030	-.01159
.155	4.185	.00000	35.07466	.35421	.07058	.01961	.00144	.00036	-.01306
.155	6.239	.00000	35.10980	.54172	.08372	-.02515	.00147	-.00120	-.01462
.155	8.233	.00000	35.10316	.71585	.10229	-.07358	.00152	-.00155	-.01255
.155	10.438	.00000	35.18710	.90585	.13230	-.11401	.00052	-.00152	-.01016
.155	12.356	.00000	35.18612	1.02903	.17421	-.13333	.00047	-.00129	-.00798
.155	14.548	.00000	35.31018	1.18481	.24576	-.16232	.00167	-.00254	-.01080
.155	16.387	.00000	35.44974	1.29029	.31235	-.16937	.00200	-.00197	-.01234
.156	18.423	.00000	35.58443	1.38756	.38660	-.17279	.00126	-.00184	-.00784
.156	20.479	.00000	35.59631	1.46661	.47286	-.18907	.00100	-.00241	-.00680
.156	22.435	.00000	35.58210	1.48768	.55041	-.20414	-.00011	-.00130	-.00460
.156	24.419	.00000	35.60244	1.52892	.63160	-.25992	-.00067	-.00026	.00054
.158	26.712	.00000	36.39449	1.56917	.72319	-.37708	-.00099	.00100	.00303
	GRADIENT	.00000	.03837	.09500	-.00111	-.01903	-.00006	-.00013	-.00027

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF133) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.192	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 133/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.19186	35.18822	1.34665	.19027	-.29301	.00147	.00590	.02097	.00000
.155	13.925	4.15325	35.06847	1.32139	.19923	-.30284	.00149	.00262	.01018	.00000
.155	22.952	4.13500	35.21043	1.26320	.21539	-.26565	.00132	.00060	.00062	.00000
.155	39.042	4.09565	34.89488	1.21641	.22609	-.21607	.00073	-.00119	-.00588	.00000
.155	53.928	4.13777	35.24895	1.19590	.23083	-.19436	.00089	-.00120	-.00999	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF134) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.216 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 134/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.21624	35.01813	1.53059	.20317	-.34597	.00271	.00729	.01571	.00000
.155	13.367	6.19338	35.05590	1.52012	.21094	-.35788	.00105	.00690	.01418	.00000
.156	22.443	6.18165	35.41465	1.46807	.23229	-.31413	.00095	.00291	.00813	.00000
.155	38.382	6.16774	35.12793	1.41409	.24659	-.25204	.00018	-.00345	-.00741	.00000
.156	54.042	6.14574	35.29788	1.38889	.25239	-.22959	.00048	-.00229	-.00908	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF135) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.254 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 135/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.339	8.25361	35.11375	1.69844	.21582	-.39638	.00298	.00847	.01630	.00000
.155	14.405	8.22244	35.10108	1.67999	.23057	-.41297	.00205	.00738	.01460	.00000
.155	22.849	8.22957	35.10705	1.66208	.25342	-.37309	.00000	.00155	.00466	.00000
.155	38.435	8.22687	35.19736	1.60966	.27048	-.30510	.00002	-.00187	-.00739	.00000
.155	54.004	8.21721	35.04849	1.57821	.27986	-.27025	.00050	-.00187	-.00868	.00000
.156	75.215	8.23160	35.32599	1.56972	.28410	-.25569	.00075	-.00187	-.01166	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF136) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 136/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.21949	35.21041	.91740	.17724	-.17643	.00226	.00532	.01320	.00000
.155	16.532	.16830	35.18965	.87062	.18697	-.16432	.00166	.00179	.00923	.00000
.156	25.694	.12853	35.36162	.81386	.19550	-.13439	.00103	-.00015	-.00144	.00000
.156	31.247	.09381	35.44832	.80222	.19800	-.12692	.00092	-.00103	-.00914	.00000
.155	33.690	.06550	35.01311	.79205	.19920	-.12334	.00083	-.00077	-.01245	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF137) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	2.234	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 137/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.311	2.23431	35.03233	1.12579	.18238	-.23293	.00244	.00436	.01568	.00000
.155	14.787	2.20268	35.01982	1.09821	.19060	-.23196	.00199	.00484	.01142	.00000
.155	24.422	2.17489	35.14212	1.04601	.20359	-.19959	.00149	.00135	-.00295	.00000
.154	41.746	2.10165	34.77789	.99721	.21104	-.16305	.00050	-.00117	-.00996	.00000
.156	44.194	2.08643	35.61974	.99982	.21174	-.15931	.00018	-.00029	-.01030	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF138) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.169	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 138/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.16876	35.01081	1.81366	.24455	-.45264	.00087	.00633	.01021	.00000
.155	18.824	10.15363	35.23408	1.80112	.27051	-.42448	-.00019	.00237	.00334	.00000
.155	36.553	10.17071	34.96656	1.74738	.23814	-.33283	.00028	-.00183	-.00801	.00000
.156	50.642	10.18495	35.45073	1.73520	.30544	-.30115	.00048	-.00192	-.01093	.00000
.155	82.508	10.13060	35.18889	1.72469	.31190	-.27963	.00062	-.00293	-.01267	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF139) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.226	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 139/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.589	12.22593	35.07877	1.94707	.29479	-.45889	-.00056	.00328	.00519	.00000
.155	37.097	12.22627	35.19298	1.91242	.32727	-.37606	.00028	-.00196	-.01135	.00000
.155	52.139	12.24860	35.14890	1.90278	.33775	-.33873	.00063	-.00140	-.01118	.00000
.155	94.658	12.29966	35.17632	1.90458	.35071	-.31597	.00086	-.00286	-.01168	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF140) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 14.293 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 140/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	35.857	14.29304	35.14970	2.04027	.35800	-.38895	-.00040	-.00078	-.00693	.00000
.155	51.003.	14.29936	35.09772	2.03977	.37021	-.35695	.00073	-.00139	-.01224	.00000
.156	93.980	14.35781	35.30638	2.06132	.38175	-.33613	.00120	-.00205	-.01524	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF141) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 16.297 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 141/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	48.608	16.29716	34.95303	2.13997	.40589	-.35861	.00074	-.00044	-.00915	.00000
.155	92.472	16.37441	35.21064	2.16625	.42000	-.33845	.00159	-.00161	-.01846	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF142) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.177	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 142/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.17651	34.90778	.88937	.17980	-.09139	.00247	.00479	.01385	.00000
.155	19.079	.11625	35.19737	.83422	.19128	-.07475	.00173	.00318	.00430	.00000
.155	24.798	.08745	35.23482	.79310	.19707	-.05940	.00163	.00052	-.00022	.00000
.155	30.687	.04681	35.18934	.77799	.19991	-.04958	.00149	.00019	-.00883	.00000
.155	33.036	.02045	35.17625	.76685	.20019	-.04589	.00086	-.00016	-.01026	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF143) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	2.164	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 143/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.310	2.16362	35.06516	1.10941	.18256	-.14822	.00283	.00454	.01458	.00000
.155	14.060	2.13166	35.04297	1.07891	.18974	-.14862	.00194	.00284	.00309	.00000
.155	23.513	2.10290	35.05560	1.02643	.20287	-.12177	.00146	.00084	-.00236	.00000
.155	40.843	2.02323	35.20977	.96620	.21245	-.08807	.00067	-.00131	-.01213	.00000
.156	43.274	2.14910	35.33516	.97831	.21348	-.08668	.00071	-.00173	-.01103	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40165.3.5 (RJF144) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.247	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 144/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.24713	35.06009	1.30321	.19191	-.19739	.00159	.00487	.01304	.00000
.155	14.896	4.21664	35.08205	1.28166	.20173	-.20004	.00206	.00311	.01126	.00000
.155	22.930	4.20207	35.09516	1.23885	.21526	-.17338	.00158	.00298	.00145	.00000
.155	39.118	4.16348	34.95594	1.18828	.22705	-.12911	.00060	-.00287	-.00984	.00000
.156	54.174	4.16335	35.35140	1.16323	.23217	-.11611	.00107	-.00079	-.01305	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40165.3.5 (RJF145) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 145/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.16652	35.11095	1.47412	.20403	-.24771	.00231	.00716	.01203	.00000
.155	13.104	6.14336	35.08280	1.48099	.20961	-.25751	.00099	.00526	.01009	.00000
.155	22.230	6.13302	35.19148	1.42495	.23102	-.21701	.00124	.00261	.00356	.00000
.156	37.920	6.11626	35.35881	1.37054	.24478	-.16323	.00065	-.00088	-.00755	.00000
.156	64.060	6.24702	35.38103	1.36299	.25409	-.13612	.00063	-.00225	-.01634	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF146) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.099 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 146/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.09886	35.17593	1.63711	.21548	-.29156	.00338	.00815	.00946	.00000
.155	12.252	8.06892	35.05843	1.63879	.21900	-.30123	.00261	.00792	.01342	.00000
.155	21.480	8.06474	34.95042	1.60705	.24779	-.27607	.00039	.00289	.00367	.00000
.156	37.454	8.06995	35.29380	1.54568	.26784	-.20561	.00047	-.00176	-.00878	.00000
.156	52.908	8.06359	35.28043	1.53211	.27412	-.17440	.00044	-.00205	-.01108	.00000
.156	74.113	8.22981	35.41816	1.53520	.28079	-.16277	.00076	-.00198	-.01392	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF147) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.174 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 147/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.17356	35.10087	1.79014	.22999	-.35390	.00169	.00842	.01715	.00000
.155	14.393	10.14802	35.10377	1.79278	.24483	-.36233	.00070	.00488	.01157	.00000
.155	21.308	10.15182	35.05951	1.77922	.27015	-.33051	.00000	.00470	.00716	.00000
.155	37.805	10.16635	35.20797	1.73183	.29546	-.24688	-.00023	-.00176	-.00593	.00000
.155	53.033	10.17807	35.23365	1.71195	.30382	-.20987	.00102	-.00040	-.01160	.00000
.155	80.764	10.15108	35.23584	1.70377	.30890	-.19214	.00087	-.00152	-.01424	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF148) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.110	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 148/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.579	12.10966	35.05740	1.92885	.27748	-.38800	-.00075	.00520	-.01086	.00000
.155	39.905	12.15808	34.99497	1.89579	.32193	-.28707	-.00001	-.00094	-.00605	.00000
.156	55.237	12.19268	35.36391.	1.88648.	.33362	-.25038.	.00135.	-.00071	-.01389	.00000
.156	81.787	12.20904	35.31312	1.88151	.34113	-.22963	.00091	-.00280	-.01378	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF149) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	14.219	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 149/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	35.848	14.21873	35.16693	2.02297	.33965	-.34435	-.00057	.00138	-.00009	.00000
.155	44.643	14.22106	34.98388	2.02003	.35166	-.30255	-.00023	-.00080	-.00717	.00000
.155	59.692	14.25040	35.00977	2.01689	.36655	-.26952	.00055	-.00139	-.01353	.00000
.155	91.601	14.31474	35.22645	2.03485	.37601	-.24807	.00179	-.00154	-.01936	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF150) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000	SQ.FT.	XMRP =	1339.9100	IN.XC
LREF =	327.8000	IN.	YMRP =	.0000	IN.YC
BREF =	2348.0000	IN.	ZMRP =	190.7500	IN.ZC
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	16.235	RN/L =	1.090		
STAB =	-4.000	ELEVTR =	.000		
IORB =	3.000	ELEVON =	.000		
BDFLAP =	-11.700				

RUN NO. 150/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	48.604	16.23541	35.08642	2.12168	.40042	-.26766	.00120	-.00052	-.01438	.00000
.155	81.405	16.29695	35.23223	2.13598	.41259	-.24692	.00164	-.00105	-.01842	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF151) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000	SQ.FT.	XMRP =	1339.9100	IN.XC
LREF =	327.8000	IN.	YMRP =	.0000	IN.YC
BREF =	2348.0000	IN.	ZMRP =	190.7500	IN.ZC
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.159	RN/L =	1.090		
STAB =	-6.000	ELEVTR =	.000		
IORB =	3.000	ELEVON =	.000		
BDFLAP =	-11.700				

RUN NO. 151/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.15940	35.18640	.85539	.18377	-.00297	.00242	.00369	.01410	.00000
.155	17.417	.10950	35.23467	.82989	.19197	.00713	.00151	.00264	.01121	.00000
.155	23.828	.07419	35.12783	.78330	.19937	.02303	.00163	.00198	.00129	.00000
.155	30.252	.03234	35.06926	.75935	.20266	.03583	.00142	.00134	-.00235	.00000
.155	32.661	.01003	35.08161	.74512	.20351	.03965	.00116	.00010	-.00511	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF152) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.158 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 152/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.15784	35.19555	1.28122	.19218	-.10716	.00206	.00552	.01936	.00000
.155	15.602	4.14850	35.17328	1.24568	.20474	-.10608	.00186	.00388	.01121	.00000
.155	22.295	4.13494	35.07194	1.20122	.21625	-.08363	.00139	.00307	.00321	.00000
.154	38.181	4.09079	34.76336	1.15871	.22732	-.04691	.00073	-.00205	-.00983	.00000
.156	53.321	4.13800	35.33758	1.14191	.23253	-.03185	.00051	-.00162	-.01159	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF153) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.110 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 153/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.10972	35.10227	1.61204	.21871	-.20373	.00286	.00740	.01514	.00000
.155	22.095	8.08336	35.07388	1.57406	.25049	-.17281	.00070	.00418	.00712	.00000
.155	36.752	8.08216	35.12766	1.52917	.26683	-.11456	.00030	-.00054	-.00852	.00000
.155	52.172	8.08034	35.24910	1.51568	.27361	-.08865	.00051	-.00247	-.01340	.00000
.155	73.336	8.26866	35.23073	1.51999	.28094	-.08010	.00071	-.00136	-.01389	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF154) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.239 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 154/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.23911	34.99467	1.46186	.20364	-.15198	.00277	.00776	.01640	.00000
.155	13.476	6.20456	35.00734	1.45341	.21108	-.15934	.00123	.00571	.01220	.00000
.155	22.088	6.19780	35.26486	1.40862	.23076	-.12758	.00102	.00231	.00851	.00000
.155	38.011	6.17903	35.28044	1.36374	.24479	-.08100	.00086	-.00071	-.00853	.00000
.156	53.649	6.14584	35.29511	1.32348	.25275	-.05982	.00073	-.00099	-.01103	.00000
.155	64.143	6.19336	35.23262	1.34387	.25282	-.05547	.00106	.00005	-.01150	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF155) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.147 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 155/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.14658	35.11060	1.76801	.22774	-.25342	.00170	.00729	.01549	.00000
.155	12.139	10.12806	35.00265	1.77233	.23244	-.25796	.00197	.00732	.01360	.00000
.155	20.986	10.12618	35.08809	1.76007	.26643	-.23827	-.00027	.00337	.00543	.00000
.155	37.404	10.14366	35.17783	1.70504	.29227	-.15219	.00037	-.00119	-.00790	.00000
.156	52.960	10.15570	35.46140	1.68958	.30062	-.11877	.00096	.00015	-.00935	.00000
.155	83.920	10.27881	35.17306	1.69717	.30881	-.10095	.00067	-.00214	-.01446	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF156) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.148 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 156/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.564	12.14840	35.15596	1.89527	.27702	-.29643	-.00063	.00408	.00924	.00000
.155	23.591	12.13496	35.20209	1.90125	.28766	-.27921	-.00054	.00345	.01012	.00000
.155	39.923	12.15903	34.91826	1.86947	.31834	-.19288	.00008	-.00166	-.00544	.00000
.155	55.260	12.18179	35.05161	1.85838	.33058	-.15496	.00073	-.00185	-.01376	.00000
.156	85.711	12.27088	35.34460	1.86707	.33933	-.13442	.00124	-.00187	-.01236	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F30TS401G5.3.5 (RJF157) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .235 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 157/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.23476	35.09581	.96041	.17325	-.32430	.00274	.00485	.01114	.00000
.155	13.372	.19344	35.20798	.93313	.17828	-.33263	.00237	.00412	.00849	.00000
.155	20.141	.15945	35.23802	.89588	.18749	-.34252	.00194	.00309	.00562	.00000
.155	31.543	.09040	34.96823	.86469	.19359	-.35138	.00048	.00055	-.00652	.00000
.156	33.911	.06704	35.33694	.84922	.19539	-.35360	.00003	-.00011	-.01000	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F30TS401G5.3.5 (RJF158) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.200 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

-RUN NO. 158/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.20037	35.22014	1.32894	.18770	-.30211	.00281	.00673	.01328	.00000
.155	14.509	4.17077	35.21191	1.30390	.19746	-.32069	.00224	.00608	.00965	.00000
.155	23.175	4.13768	35.10148	1.26959	.21272	-.34532	.00088	.00153	-.00001	.00000
.155	39.402	4.09878	34.97053	1.23974	.22375	-.35826	.00025	.00135	-.00778	.00000
.155	54.341	4.26567	35.08577	1.23024	.23180	-.36028	-.00061	-.00084	-.01297	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F30TS401G5.3.5 (RJF159) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.165 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 159/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.16471	35.42024	1.48879	.19900	-.29167	.00254	.00853	.01183	.00000
.155	13.291	6.13590	35.12716	1.47926	.20609	-.30526	.00219	.00740	.00918	.00000
.155	22.253	6.11054	35.08977	1.44217	.22805	-.33830	.00129	.00386	.00217	.00000
.155	38.214	6.17549	35.21648	1.43210	.24398	-.35081	-.00013	.00103	-.00856	.00000
.155	64.392	6.24507	35.23567	1.41405	.25395	-.35642	-.00079	-.00140	-.01290	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F30TS401G5.3.5 (RJF160) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.112 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 160/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.11229	35.19042	1.63094	.21129	-.28232	.00321	.00933	.01206	.00000
.155	14.348	8.08255	35.00940	1.63158	.22417	-.30502	.00147	.00661	.00659	.00000
.155	22.148	8.07125	35.06432	1.60932	.24720	-.33112	.00088	.00457	.00349	.00000
.155	37.763	8.05082	35.13291	1.58552	.26627	-.34737	-.00013	.00094	-.00762	.00000
.155	53.472	8.19533	35.20936	1.58844	.27645	-.35390	-.00105	-.00273	-.01017	.00000
.155	74.459	8.25989	35.22453	1.59228	.28150	-.35736	-.00103	-.00197	-.01292	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F30TS401G5.3.5 (RJF161) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.252 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 161/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.326	10.25223	35.08636	1.76832	.22620	-.27414	.00289	.01012	.01065	.00000
.155	14.186	10.22444	35.05515	1.77171	.23999	-.29783	.00130	.00771	.00957	.00000
.155	21.902	10.22146	35.15455	1.76988	.26834	-.33431	-.00009	.00312	.00039	.00000
.155	38.450	10.21457	35.15116	1.75675	.29500	-.35331	-.00034	.00066	-.00798	.00000
.155	53.767	10.21992	35.08049	1.74890	.30458	-.35962	-.00032	-.00010	-.01152	.00000
.156	81.016	10.19607	35.34944	1.74806	.31060	-.35785	-.00060	-.00063	-.01270	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7 F30TS40105.3.5 (RJF162) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.237	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 162/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.565	12.23675	35.13210	1.90162	.27805	-.31076	-.00022	.00622	.00921	.00000
.155	20.769	12.21957	35.09665	1.90595	.27711	-.31202	-.00057	.00445	.00958	.00000
.155	23.925	12.22065	35.01272	1.91276	.28921	-.32526	-.00028	.00524	.00995	.00000
.155	37.705	12.22736	35.19157	1.91300	.31889	-.34807	-.00012	.00162	-.00275	.00000
.155	55.389	12.24356	35.04537	1.90933	.33393	-.35779	-.00035	-.00028	-.01091	.00000
.155	87.973	12.25632	35.27031	1.91576	.34388	-.36111	-.00087	-.00202	-.01151	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40105.3.5 (RJF163) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.158	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 163/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.15815	35.19134	.75297	.19705	.42975	.00259	.00433	.01011	.00000
.155	12.736	.11973	35.21951	.73090	.20061	.42522	.00272	.00477	.00602	.00000
.155	18.231	.09501	35.15007	.69845	.20858	.43320	.00198	.00217	.00040	.00000
.155	30.082	.02709	35.07957	.65423	.21557	.44570	.00179	.00129	-.00869	.00000
.155	32.515	.00412	35.03334	.65089	.21576	.44478	.00153	.00160	-.00868	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF164) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	4.201	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 164/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.332	4.20109	35.41359	1.16688	.19974	.33995	.00275	.00537	.01182	.00000
.155	13.585	4.18061	35.14831	1.15749	.20572	.33277	.00251	.00495	.00532	.00000
.155	22.259	4.15704	35.16990	1.11584	.22323	.34894	.00201	.00243	-.00022	.00000
.155	38.090	4.10907	34.99257	1.06206	.23562	.38422	.00079	-.00081	-.01370	.00000
.155	53.213	4.03795	35.14076	1.03369	.23912	.40031	.00038	-.00274	-.01995	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF165) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	6.049	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 165/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.04948	35.45595	1.33900	.20739	.30832	.00240	.00793	.01477	.00000
.155	13.419	6.09146	35.25715	1.34341	.21647	.28709	.00180	.00570	.00565	.00000
.155	21.263	6.07748	35.05504	1.29786	.23445	.30820	.00199	.00352	.00032	.00000
.154	36.610	6.05170	34.76038	1.24413	.24965	.35689	.00094	-.00063	-.01042	.00000
.155	52.404	6.05926	35.19885	1.23043	.25748	.37412	.00068	-.00161	-.01489	.00000
.155	62.956	6.23587	35.20133	1.23210	.25912	.38147	.00090	-.00189	-.01790	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF166) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.213 RN/L = 1.090
STAB = -4.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 166/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.21285	35.30818	1.52062	.21736	.26916	.00369	.00779	.00900	.00000
.155	13.101	8.18580	35.25655	1.52228	.22544	.24775	.00253	.00874	.01230	.00000
.155	21.543	8.17327	35.15350	1.49275	.25026	.25780	.00053	.00313	.00552	.00000
.155	37.420	8.14550	34.93331	1.43558	.26894	.32248	.00086	.00102	-.00509	.00000
.155	52.914	8.11993	34.88894	1.42053	.27532	.34356	.00103	.00017	-.01079	.00000
.156	74.129	8.22254	35.36996	1.41034	.28193	.35860	.00100	-.00179	-.01647	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF167) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.229 RN/L = 1.090
STAB = -4.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 167/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.326	10.22876	35.32600	1.67320	.22703	.21915	.00247	.00934	.01606	.00000
.155	13.323	10.19795	35.26160	1.67031	.23888	.20151	.00228	.00739	.00497	.00000
.155	21.155	10.19941	35.30647	1.66718	.26697	.20684	.00028	.00534	.01118	.00000
.155	37.679	10.20522	34.92656	1.61326	.29085	.28574	.00058	-.00120	-.01152	.00000
.154	52.948	10.20911	34.85165	1.59175	.29984	.31946	.00078	-.00170	-.01607	.00000
.156	84.569	10.29972	35.37028	1.58977	.30785	.33805	.00120	-.00171	-.01769	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5 (RJF168) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.130	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 168/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.504	12.13009	34.73608	1.80204	.27269	.15173	-.00081	.00554	.01148	.00000
.155	23.673	12.12045	34.94807	1.81517	.28185	.16370	-.00041	.00532	.00842	.00000
.155	38.947	12.14106	35.07509	1.77410	.31232	.24724	.00056	-.00009	-.01037	.00000
.155	55.239	12.16123	35.20398	1.75538	.32464	.29059	.00093	-.00149	-.01503	.00000
.155	87.124	12.27528	35.17798	1.76299	.33427	.31198	.00120	-.00217	-.01830	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5 (RJF169) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.183	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 169/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.18293	35.18714	.79392	.19328	.33876	.00288	.00486	.01285	.00000
.155	13.948	.14914	35.19082	.78049	.19704	.33293	.00242	.00441	.01145	.00000
.155	18.231	.12505	35.14834	.74964	.20316	.33404	.00214	.00224	.00722	.00000
.155	30.138	.04496	35.07576	.69276	.21146	.34705	.00157	.00083	-.00430	.00000
.155	32.616	.16137	35.08487	.70217	.21264	.34586	.00112	.00025	-.00763	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF170) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.177 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 170/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.17654	35.20734	1.20439	.20147	.27882	.00176	.00512	.01231	.00000
.155	13.432	4.15213	35.20951	1.19104	.20736	.26591	.00162	.00307	.00418	.00000
.155	21.947	4.12265	35.14056	1.13891	.22190	.27442	.00157	.00144	-.00203	.00000
.154	38.213	4.07552	34.82492	1.09011	.23280	.29528	.00077	-.00131	-.01105	.00000
.155	53.156	4.00760	35.19376	1.08024	.23517	.30399	.00062	-.00080	-.01393	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF171) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.229 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 171/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.22883	34.89642	1.39011	.21139	.24929	.00341	.00909	.01157	.00000
.155	12.732	6.20924	35.15334	1.38211	.21620	.22696	.00169	.00692	.01049	.00000
.155	21.711	6.19014	35.01609	1.33037	.23746	.23491	.00120	.00435	.00391	.00000
.156	37.675	6.17074	35.44343	1.28985	.25038	.26778	.00125	-.00010	-.00824	.00000
.156	53.447	6.14265	35.60711	1.26115	.25649	.28157	.00040	-.00292	-.01165	.00000
.155	63.895	6.15308	35.12691	1.25039	.25871	.28984	.00126	-.00165	-.01346	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF172) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.146 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 172/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.14622	35.26104	1.54104	.22192	.21678	.00320	.00873	.01281	.00000
.155	11.763	8.12341	35.06159	1.53671	.22304	.20760	.00320	.00930	.01089	.00000
.155	21.315	8.10507	35.03146	1.51115	.25278	.18938	.00012	.00315	-.00914	.00000
.156	37.280	8.09996	35.41165	1.46170	.27041	.23878	.00022	-.00113	-.00612	.00000
.155	52.675	8.08797	35.02956	1.44412	.27655	.26188	.00113	-.00037	-.01021	.00000
.155	73.766	8.23564	35.29145	1.44473	.28199	.27328	.00111	-.00191	-.01571	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF173) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.106 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 173/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.10587	35.14144	1.67633	.23477	.16943	.00150	.00787	.01220	.00000
.155	11.842	10.07936	35.02702	1.68105	.23679	.16346	.00147	.00807	.01124	.00000
.155	20.543	10.07838	35.25570	1.67649	.26951	.14350	.00023	.00343	.00535	.00000
.155	37.954	10.08662	35.12354	1.62408	.29524	.20700	.00037	-.00184	-.00935	.00000
.155	52.317	10.09383	35.20582	1.61639	.30288	.23197	.00094	-.00147	-.00914	.00000
.155	72.825	10.31861	35.15635	1.62481	.31120	.24463	.00137	-.00189	-.01532	.00000
.155	83.959	10.28421	35.16969	1.62389	.31098	.24941	.00142	- 00241	-.01761	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF174) (18 JUN 76)

REFERENCE DATA

SREF	=	5500.0000 SQ.FT.	XMRP	=	1339.9100 IN.XC
LREF	=	327.8000 IN.	YMRP	=	.0000 IN.YC
BREF	=	2348.0000 IN.	ZMRP	=	190.7500 IN.ZC
SCALE	=	.0400			

PARAMETRIC DATA

ALPHAW =	12.126	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 174/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.524	12.12640	34.99550	1.82516	.28126	.10718	-.00060	.00760	.01710	.00000
.155	23.751	12.10713	35.21852	1.82045	.29192	.11553	-.00014	.00497	.00690	.00000
.155	39.579	12.12384	35.05539	1.80482	.32012	.17241	.00011	-.00061	-.00550	.00000
.155	55.309	12.23847	35.05248	1.79041	.33389	.20055	.00083	-.00266	-.01345	.00000
.155	85.653	12.26404	35.24889	1.79590	.34085	.21652	.00151	-.00267	-.01734	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF175) (18 JUN 76)

REFERENCE DATA

SREF	=	5500.0000 SQ.FT.	XMRP	=	1339.9100 IN.XC
LREF	=	327.8000 IN.	YMRP	=	.0000 IN.YC
BREF	=	2348.0000 IN.	ZMRP	=	190.7500 IN.ZC
SCALE	=	.0400			

PARAMETRIC DATA

ALPHAW =	4.171	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 175/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.331	4.17082	35.81016	1.37349	.20135	-.32401	.00125	.00552	.02065	.00000
.157	13.407	4.14548	35.83570	1.37663	.20584	-.33071	.00054	.00425	.02204	.00000
.156	22.661	4.11769	35.37999	1.30907	.22279	-.29118	.00146	.00209	.01168	.00000
.155	38.740	4.10935	35.03209	1.25088	.23469	-.24566	.00084	-.00135	-.00489	.00000
.154	53.682	4.17382	34.78007	1.24729	.23789	-.23077	.00113	-.00037	-.00870	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5 (RJF176) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.173 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 176/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.17247	35.19275	1.56241	.21452	-.37121	.00302	.00882	.02632	.00000
.155	12.973	6.14746	35.19724	1.56258	.21972	-.38415	.00190	.00724	.02134	.00000
.154	22.070	6.13177	34.92518	1.50760	.24242	-.34289	.00062	.00255	.01155	.00000
.154	37.934	6.11838	34.75345	1.45484	.25581	-.28442	.00084	-.00137	.00219	.00000
.154	53.578	6.08744	34.62446	1.42881	.26151	-.26028	.00076	-.00143	-.00442	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5 (RJF177) (18 JUN 76

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.173 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 177/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17339	35.22050	1.73961	.23594	-.43926	.00144	.00716	.02395	.00000
.156	20.881	8.15028	35.43861	1.69969	.26500	-.40769	-.00039	.00234	.01212	.00000
.155	36.831	8.12268	35.02256	1.64434	.28313	-.32766	.00028	-.00112	.00518	.00000
.154	52.314	8.11801	34.86682	1.63076	.28912	-.29907	.00128	-.00113	-.00424	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF178) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.137	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 178/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.13671	35.31619	1.89094	.24944	-.49687	-.00144	.00824	.03112	.00000
.155	12.372	10.11352	35.23542	1.89147	.25505	-.49957	-.00082	.00775	.02691	.00000
.155	21:309	10.12040	35.21854	1.87335	.28770	-.46618	.00010	.00315	.01162	.00000
.154	37.628	10.13586	34.89586	1.82749	.31306	-.37096	.00066	-.00066	.00043	.00000
.154	53.046	10.21972	34.89108	1.78805	.32182	-.33286	.00108	-.00142	-.00319	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF179) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.198	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 179/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.629	12.19762	35.21546	2.01379	.30518	-.52844	-.00101	.00468	.01930	.00000
.155	23.973	12.18723	35.18303	2.01459	.31485	-.50673	-.00101	.00408	.01597	.00000
.155	39.967	12.21278	34.93052	1.98695	.34282	-.41542	.00123	.00077	.00225	.00000
.154	55.451	12.23126	34.64200	1.95756	.35601	-.37300	.00090	-.00207	-.00237	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5 (RJF180) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .151 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 180/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.277	.15079	34.64775	.93770	.18285	-.20370	.00196	.00328	.01449	.00000
.154	13.124	.12086	34.65273	.91533	.18627	-.20551	.00223	.00281	.01525	.00000
.154	23.148	.06369	34.58855	.85149	.19686	-.17299	.00159	.00108	.00439	.00000
.153	32.036	.11875	34.40478	.84575	.20180	-.16589	.00132	.00019	-.00139	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5 (RJF181) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .167 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 181/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.16651	35.26745	.91308	.17988	-.13257	.00220	.00537	.01515	.00000
.155	13.104	.14737	35.18763	.88858	.18367	-.12662	.00194	.00298	.01599	.00000
.155	23.170	.09380	35.05219	.82397	.19387	-.10699	.00193	.00175	-.00060	.00000
.155	32.033	.14855	35.22923	.81263	.19809	-.09050	.00113	.00141	-.00715	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF182) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 182/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.13687	35.06608	1.33347	.19307	-.23163	.00144	.00618	.01772	.00000
.155	13.177	4.11643	35.11089	1.31735	.19994	-.23604	.00107	.00453	.01374	.00000
.155	22.430	4.09585	35.32588	1.26899	.21503	-.20680	.00111	.00100	.00363	.00000
.155	38.543	4.12323	35.26054	1.21464	.22744	-.16522	.00087	-.00108	-.00492	.00000
.155	53.475	4.17693	35.19707	1.19723	.23216	-.14528	.00092	-.00147	-.01039	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF183) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.180	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 183/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.17988	35.17824	1.52076	.20700	-.28317	.00255	.00618	.01656	.00000
.155	12.842	6.15280	35.19307	1.51349	.21217	-.29191	.00120	.00643	.01950	.00000
.156	21.952	6.14440	35.42428	1.46757	.23349	-.25864	.00053	.00248	.00608	.00000
.155	37.820	6.20852	35.17541	1.41186	.25016	-.19986	.00066	-.00135	-.00625	.00000
.155	53.470	6.18876	35.28403	1.39772	.25485	-.17613	.00119	-.00159	-.01049	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF184) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.158 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 184/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.15784	34.75909	1.68718	.22310	-.33754	.00279	.00844	.01390	.00000
.155	12.382	8.14386	35.23088	1.69561	.22535	-.34642	.00213	.00739	.01759	.00000
.155	21.755	8.13647	35.18282	1.65556	.25475	-.31863	-.00013	.00262	.00782	.00000
.156	37.741	8.13121	35.49264	1.60017	.27433	-.24300	.00088	-.00045	-.00289	.00000
.155	53.210	8.25418	35.25425	1.59170	.28260	-.21608	.00128	-.00119	-.00840	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF185) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.175 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 185/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.17510	35.13865	1.83604	.23877	-.40640	.00026	.00763	.02044	.00000
.155	12.573	10.15381	35.19197	1.83840	.24514	-.40644	-.00056	.00833	.02372	.00000
.155	21.487	10.15478	35.10964	1.81895	.27971	-.37684	.00082	.00463	.00572	.00000
.156	37.820	10.17714	35.43676	1.77311	.30418	-.28721	.00108	-.00009	-.00355	.00000
.155	53.244	10.19058	35.25477	1.76798	.31045	-.25401	.00118	-.00189	-.00852	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF186) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.161 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 186/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.614	12.16056	35.43519	1.97286	.29387	-.44360	-.00045	.00535	.01210	.00000
.155	23.969	12.15201	35.18029	1.97810	.30297	-.42268	-.00082	.00334	.01336	.00000
.155	39.988	12.17697	34.99586	1.94719	.33258	-.32937	.00079	-.00167	-.00424	.00000
.155	55.464	12.20100	35.08515	1.92828	.34468	-.28776	.00161	-.00190	-.00949	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF187) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .179 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 187/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.17917	34.98679	.89368	.18052	-.04324	.00249	.00482	.01380	.00000
.155	13.977	.13823	35.17663	.86679	.18544	-.04197	.00178	.00427	.01112	.00000
.156	24.041	.12554	35.41403	.82003	.19548	-.02530	.00199	.00161	-.00165	.00000
.155	32.911	.17216	35.14763	.79523	.20036	-.01258	.00141	.00057	-.00347	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF188) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.122	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 188/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.12189	35.27228	1.30890	.19331	-.13603	.00196	.00578	.01635	.00000
.155	12.969	4.09897	35.25493	1.28705	.19968	-.14353	.00163	.00577	.01615	.00000
.155	22.222	4.10250	35.19107	1.22029	.21743	-.11725	.00159	.00155	.00464	.00000
.156	38.341	4.13151	35.48103	1.18159	.22927	-.07870	.00063	-.00119	-.01030	.00000
.155	53.286	4.17748	35.16837	1.17454	.23294	-.06195	.00079	-.00116	-.01252	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF189) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.123	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 189/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12251	35.11914	1.48676	.20654	-.18903	.00253	.00682	.01339	.00000
.155	12.617	6.09910	35.11102	1.48920	.21006	-.19798	.00156	.00724	.01654	.00000
.155	21.716	6.11690	35.33310	1.43650	.23331	-.16623	.00116	.00260	.00081	.00000
.155	37.600	6.14251	35.34775	1.38200	.24879	-.11094	.00084	-.00153	-.00853	.00000
.156	53.247	6.20076	35.44393	1.37792	.25291	-.09437	.00095	-.00021	-.00998	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF190) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.153	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 190/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	10.342	8.15313	35.31843	1.67066	.21980	-.24152	.00255	.00843	.01888	.00000
.155	11.345	8.14928	35.26797	1.67144	.22498	-.25166	.00230	.00892	.01698	.00000
.156	20.753	8.14155	35.44269	1.62799	.25515	-.22428	.00031	.00407	.00830	.00000
.155	36.689	8.13589	35.06674	1.57265	.27390	-.15151	.00057	-.00018	-.00316	.00000
.155	52.173	8.22759	35.19598	1.56333	.28128	-.12576	.00104	-.00173	-.00991	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF191) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.190	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 191/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.19011	35.19579	1.81338	.23740	-.30225	.00011	.00649	.01460	.00000
.155	12.473	10.17280	34.97169	1.81857	.24281	-.30447	.00046	.00823	.01536	.00000
.155	21.415	10.17367	35.18032	1.80824	.27616	-.27913	-.00002	.00354	.01031	.00000
.156	37.749	10.18973	35.47897	1.74689	.30250	-.19505	.00057	-.00145	-.00737	.00000
.155	53.166	10.20252	35.32536	1.73834	.31013	-.16271	.00141	-.00117	-.00936	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF192) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.151 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 192/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.596	12.15067	35.17746	1.95370	.28932	-.33836	-.00106	.00726	.01984	.00000
.155	23.937	12.14191	35.14250	1.94813	.30001	-.32606	-.00035	.00314	.00586	.00000
.155	39.941	12.16065	34.94288	1.91944	.33033	-.23646	.00115	.00068	-.00451	.00000
.155	55.415	12.19017	35.28851	1.90580	.34217	-.19838	.00139	-.00205	-.01060	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF193) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .128 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 193/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.12795	35.28756	.94164	.17717	-.29930	.00290	.00516	.01535	.00000
.155	14.394	.09504	35.16769	.92742	.18148	-.30960	.00256	.00428	.01068	.00000
.155	24.439	.11743	35.25980	.88035	.19286	-.32011	.00104	.00102	-.00272	.00000
.156	33.301	.14384	35.39672	.87236	.19696	-.32379	.00056	.00090	-.00701	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF194) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.126 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 194/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.157	11.331	4.12594	36.09143	1.33313	.19177	-.28028	.00273	.00622	.01216	.00000
.155	13.482	4.09960	35.15022	1.32375	.19659	-.29426	.00200	.00562	.01174	.00000
.156	22.767	4.15943	35.38733	1.28401	.21533	-.32051	.00106	.00137	.00139	.00000
.155	38.878	4.11715	35.13567	1.24879	.22761	-.33328	-.00024	-.00056	-.00621	.00000
.155	53.826	4.16426	35.26370	1.24001	.23129	-.33478	-.00104	-.00254	-.01235	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF195) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.186 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 195/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.18562	35.13906	1.50535	.20355	-.26606	.00253	.00803	.01089	.00000
.155	13.422	6.15900	35.21092	1.49835	.20970	-.28181	.00207	.00680	.01550	.00000
.155	22.524	6.12838	35.25193	1.46482	.23200	-.31416	.00062	.00217	.00393	.00000
.155	38.427	6.13026	35.29861	1.43394	.24763	-.32955	-.00047	-.00113	-.00502	.00000
.155	54.071	6.21619	35.23734	1.42840	.25475	-.32952	-.00029	-.00123	-.01024	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7 F30TS40165.3.5 (RJF196) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.187 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 196/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.18656	35.06438	1.66277	.21699	-.26175	.00236	.00954	.01142	.00000
.155	12.785	8.16513	35.25659	1.65583	.?2424	-.27364	.00202	.00866	.01311	.00000
.155	22.173	8.15057	35.32282	1.63922	.25267	-.30976	.00075	.00434	.00503	.00000
.155	38.137	8.14933	35.08781	1.60122	.27388	-.32735	-.00029	.00045	-.00838	.00000
.155	53.641	8.22354	35.26931	1.61065	.27975	-.32833	-.00062	-.00237	-.00725	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS40165.3.5 (RJF197) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.192 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 197/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.19230	35.12579	1.79181	.23248	-.24261	.00191	.00937	.01792	.00000
.155	12.916	10.16742	35.08042	1.79248	.23985	-.25992	.00139	.00913	.01777	.00000
.155	21.845	10.15920	35.21230	1.79771	.27317	-.31150	.00052	.00474	.00680	.00000
.155	38.200	10.15697	35.08674	1.77472	.29961	-.32670	-.00067	-.00113	-.00301	.00000
.156	53.631	10.21446	35.43229	1.76458	.31173	-.33181	-.00054	-.00161	-.00617	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF198) (18 JUN 76).

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.168 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 198/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.579	12.16783	35.15563	1.92503	.28430	-.28326	-.00014	.00656	.01606	.00000
.155	23.917	12.15120	35.11278	1.92398	.29580	-.29825	-.00034	.00424	.00690	.00000
.155	39.966	12.15908	35.27006	1.93097	.32761	-.32215	-.00047	-.00108	-.00423	.00000
.156	55.422	12.22405	35.36454	1.92851	.34152	-.33032	-.00056	-.00194	-.00863	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF199) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .171 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 199/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	10.239	.17100	35.11180	1.02342	.18627	-.54344	.00213	.00425	.01626	.00000
.155	11.278	.19111	35.14508	1.02653	.18739	-.54294	.00210	.00457	.01539	.00000
.155	13.754	.15292	35.17313	.99086	.19236	-.53684	.00163	.00287	.01113	.00000
.155	23.807	.11541	34.97772	.94723	.20179	-.50942	.00125	.00119	.00160	.00000
.155	32.685	.12886	35.13663	.92472	.20717	-.49529	.00115	-.00121	-.01115	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF200) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.098 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 200/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.09756	35.04581	1.43073	.20458	-.64939	.00119	.00591	.01619	.00000
.155	13.518	4.13818	35.06997	1.41592	.21269	-.65291	.00071	.00324	.01063	.00000
.155	22.788	4.11673	35.34616	1.36774	.23002	-.61911	.00098	.00108	.00005	.00000
.155	38.902	4.15753	35.30304	1.33361	.24077	-.57796	.00032	-.00139	-.00768	.00000
.155	53.854	4.22088	35.13561	1.31412	.24765	-.56138	.00065	-.00267	-.01464	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF201) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.137 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 201/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13657	35.28124	1.62874	.21986	-.70604	.00208	.00844	.01870	.00000
.155	13.124	6.10784	35.20223	1.61308	.22699	-.71085	.00110	.00609	.01325	.00000
.155	22.221	6.13077	35.16786	1.55864	.25046	-.66577	-.00042	.00083	.00401	.00000
.155	38.105	6.11451	35.22798	1.51250	.26605	-.61843	.00018	-.00233	-.00907	.00000
.155	53.755	6.19560	35.29688	1.49532	.27332	-.59153	.00070	-.00255	-.01327	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40165.3.5 (RJF202) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.191	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 202/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.19080	35.28931	1.78471	.24510	-.75980	.00071	.00723	.01378	.00000
.155	11.939	8.13424	34.99801	1.78841	.24506	-.76170	.00103	.00534	.01297	.00000
.155	21.325	8.12121	35.28107	1.74634	.27474	-.72765	-.00004	.00237	.00397	.00000
.155	37.305	8.12317	35.29255	1.69803	.29519	-.65836	.00023	.00018	-.00557	.00000
.155	52.790	8.18494	35.27625	1.69360	.30171	-.63343	.00058	-.00195	-.01066	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40165.3.5 (RJF203) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 203/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	10.368	10.12860	35.17497	1.92679	.25761	-.79923	-.00171	.00839	.02414	.00000
.155	11.327	10.14470	35.19063	1.93832	.26300	-.80833	-.00156	.00641	.01713	.00000
.155	11.828	10.12552	35.11557	1.93960	.26459	-.81152	-.00163	.00777	.02190	.00000
.155	20.751	10.12340	35.12949	1.91952	.29989	-.78336	-.00028	.00068	.00217	.00000
.155	37.109	10.13771	34.96584	1.87623	.32645	-.70468	.00064	-.00116	-.00824	.00000
.156	52.535	10.23577	35.43320	1.88040	.33625	-.67892	.00079	-.00140	-.01005	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF204) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.192	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 204/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.661	12.19234	35.26808	2.06962	.31863	-.83432	-.00226	.00478	.01721	.00000
.155	23.981	12.18811	35.20093	2.07945	.32863	-.82038	-.00081	.00317	.00741	.00000
.155	39.987	12.22414	35.14335	2.04628	.36141	-.75188	.00054	-.00144	-.00607	.00000
.156	55.486	12.24299	35.44415	2.04154	.37267	-.71940	.00128	-.00201	-.01124	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF205) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	-.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 205/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.277	.13364	35.44503	.93150	.17744	-.10084	.00289	.00541	.01391	.00000
.155	14.431	.09492	35.19829	.90366	.18321	-.10278	.00203	.00390	.01084	.00000
.155	23.952	.10338	35.11065	.84945	.19442	-.08201	.00115	-.00052	-.00209	.00000
.155	32.899	.03385	35.02771	.82962	.19762	-.07300	.00108	-.00070	-.01071	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF206) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.242	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 206/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.24199	35.17279	1.36292	.19358	-.20738	.00200	.00490	.01422	.00000
.155	14.376	4.21655	35.05311	1.34122	.20301	-.21517	.00126	.00246	.00666	.00000
.155	23.109	4.19487	35.03190	1.29191.	.21762	-.17885	.00105	.00154	.00067	.00000
.154	39.072	4.16311	34.76265	1.24348	.22772	-.13947	.00064	-.00231	-.01202	.00000
.155	54.100	4.08722	35.05737	1.20816	.23222	-.11948	.00023	-.00236	-.01537	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF207) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.119	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 207/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.11909	35.16862	1.53315	.20674	-.25665	.00354	.00793	.01160	.00000
.155	13.358	6.08859	35.09309	1.53045	.21408	-.26967	.00216	.00699	.01200	.00000
.155	21.794	6.07616	35.02691	1.47599	.23456	-.23418	.00031	.00120	.00261	.00000
.155	37.616	6.18188	35.01811	1.42828	.25105	-.17570	.00057	-.00154	-.00610	.00000
.155	53.466	6.15097	35.31986	1.41756	.25480	-.15462	.00099	-.00157	-.01324	.00000
.155	63.765	6.10834	35.17920	1.40293	.25697	-.14609	.00070	-.00232	-.01281	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF208) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.086 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 208/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.08564	35.18854	1.69233	.22261	-.30859	.00151	.00929	.01594	.00000
.155	12.627	8.05811	35.12294	1.69485	.22834	-.31899	.00175	.00733	.01000	.00000
.155	21.607	8.08122	35.07387	1.66842	.25629	-.29538	.00001	.00199	.00110	.00000
.155	37.456	8.17539	35.28141	1.63007	.27524	-.22346	.00014	-.00197	-.00898	.00000
.155	52.939	8.16581	35.28070	1.59636	.28363	-.19266	.00057	-.00174	-.01423	.00000
.156	74.071	8.27298	35.45181	1.60363	.28864	-.18021	.00060	-.00263	-.01544	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF209) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.183 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 209/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.327	10.18343	35.35490	1.86086	.24039	-.38648	-.00114	.00866	.02364	.00000
.155	12.717	10.15406	34.99359	1.85526	.24873	-.38586	-.00073	.00663	.01355	.00000
.155	21.237	10.15666	34.95113	1.83505	.28034	-.34986	.00021	.00300	.00580	.00000
.154	37.762	10.16761	34.78208	1.78524	.30727	-.26797	.00026	-.00288	-.01066	.00000
.155	52.991	10.18296	34.97505	1.78306	.31299	-.23414	.00077	-.00117	-.01080	.00000
.156	84.665	10.31574	35.36910	1.78239	.32244	-.21590	.00095	-.00191	-.01390	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF210) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 210/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.611	12.13407	35.15175	1.98330	.29402	-.41992	-.00057	-.00432	.00411	.00000
.155	23.736	12.11691	35.10059	1.97837	.30459	-.39528	-.00049	.00431	.00719	.00000
.155	40.062	12.14005	34.99248	1.93661	.33794	-.30573	.00058	-.00149	-.00782	.00000
.155	55.364	12.22277	35.09716	1.94508	.34840	-.27275	.00079	-.00255	-.01015	.00000
.155	84.701	12.24965	35.12436	1.94554	.35643	-.25217	.00184	-.00270	-.01736	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF211) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 211/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.21332	34.97913	.87391	.19475	-.03045	.00204	.00421	.01218	.00000
.155	14.830	.16906	35.03679	.84869	.20035	-.03486	.00151	.00480	.01318	.00000
.155	24.521	.11848	35.00980	.78681	.21040	-.01564	.00119	.00179	.00098	.00000
.154	33.428	.04626	34.89072	.75386	.21405	-.00607	.00107	-.00022	-.00856	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5. (RJF212) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 212/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.331	4.13723	35.38172	1.28961	.20539	-.12935	.00107	.00566	.02020	.00000
.156	14.211	4.10939	35.38690	1.26348	.21410	-.13384	.00076	.00423	.01734	.00000
.155	22.339	4.08071	35.23808	1.20972	.22747	-.11287	.00111	.00147	.00246	.00000
.155	38.399	4.16154	34.95222	1.16069	.24060	-.07766	.00007	-.00262	-.00815	.00000
.155	53.485	4.08856	34.92491	1.13552	.24328	-.06244	.00034	-.00285	-.01470	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF213) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.140	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 213/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.13964	35.41663	1.46772	.21843	-.18160	.00164	.00608	.01445	.00000
.155	12.723	6.11435	35.20703	1.46825	.22256	-.18801	.00111	.00690	.01574	.00000
.155	21.914	6.09204	35.15593	1.40153	.24458	-.16148	.00042	.00108	.00455	.00000
.154	37.637	6.07714	34.83985	1.35352	.25768	-.11114	.00021	-.00125	-.00416	.00000
.155	53.467	6.15550	35.15134	1.33627	.26459	-.08822	.00084	-.00113	-.01125	.00000
.155	63.943	6.22851	35.14378	1.33303	.26803	-.08508	.00089	-.00141	-.01135	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF214) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.192	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 214/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.19250	35.16064	1.63872	.23203	-.22748	.00236	.00694	.01197	.00000
.155	12.812	8.17081	35.16131	1.63901	.23890	-.23912	.00106	.00565	.01751	.00000
.155	22.061	8.15761	35.07761	1.59728	.26651	-.22055	.00000	.00231	.00224	.00000
.154	37.903	8.15695	34.75743	1.54370	.28302	-.14857	.00009	-.00200	-.00518	.00000
.154	53.432	8.14856	34.63596	1.52538	.28960	-.12299	.00074	-.00152	-.01036	.00000
.155	74.513	8.20880	34.92976	1.52047	.29456	-.10997	.00080	-.00265	-.01483	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF215) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.124	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 215/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.12370	35.01630	1.78241	.24647	-.28040	.00026	.00747	.01535	.00000
.155	12.391	10.09576	34.96679	1.78164	.25187	-.28488	-.00011	.00800	.01967	.00000
.155	21.158	10.09599	35.07438	1.76481	.28451	-.27485	-.00011	.00127	.00136	.00000
.155	37.501	10.10972	35.24395	1.71801	.30886	-.19071	.00010	-.00107	-.00702	.00000
.155	52.808	10.11733	35.11158	1.69674	.31673	-.15618	.00049	-.00276	-.01305	.00000
.155	81.508	10.25625	35.25599	1.69703	.32669	-.14008	.00097	-.00265	-.01382	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF216) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.123 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 216/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.570	12.12308	35.02428	1.90992	.29980	-.32844	-.00124	.00604	.01914	.00000
.155	23.873	12.11235	34.99094	1.90926	.30883	-.30902	.00003	.00293	.00665	.00000
.154	40.147	12.13105	34.89002	1.88230	.33825	-.22706	-.00004	-.00241	-.00813	.00000
.155	55.359	12.24828	35.29893	1.87078	.35060.	-.19139.	.00110.	-.00195	-.01273	.00000
.155	84.437	12.26254	35.24528	1.86425	.35936	-.17190	.00158	-.00247	-.01714	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF217) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .194 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 217/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.19433	35.21213	.89746	.19317	-.12333	.00195	.00420	.01751	.00000
.155	14.376	.15181	35.17684	.87218	.19914	-.12418	.00128	.00325	.01265	.00000
.155	24.355	.10514	35.03457	.82094	.20766	-.10282	.00147	.00144	-.00093	.00000
.155	33.360	.13637	35.05206	.78978	.21257	-.09015	.00054	.00053	-.00485	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF218) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.059 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 218/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.05925	35.07662	1.30563	.20932	-.22577	.00075	.00585	.01403	.00000
.155	13.277	4.03649	34.98250	1.29708	.21479	-.23455	.00098	.00407	.01121	.00000
.156	23.577	4.08538	35.39991	1.24510	.23211	-.19940	.00110	.00164	.00474	.00000
.155	38.245	4.14406	35.00496	1.20213	.24283	-.16329	.00041	-.00126	-.00319	.00000
.155	53.256	4.07317	35.11700	1.18419	.24535	-.14670	.00084	-.00082	-.01242	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF219) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.081 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 219/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.08060	35.18821	1.49271	.22111	-.27253	.00255	.00750	.01106	.00000
.155	12.701	6.05723	35.16516	1.48446	.22667	-.28273	.00146	.00765	.01816	.00000
.155	21.488	6.09389	35.10705	1.44028	.24876	-.25603	.00057	.00249	.00528	.00000
.155	37.644	6.11026	35.00015	1.39055	.26350	-.19987	.00076	-.00076	-.00473	.00000
.155	53.369	6.21664	35.27989	1.38702	.26882	-.17994	.00117	-.00022	-.01151	.00000
.155	63.842	6.16351	35.24246	1.36625	.27061	-.17286	.00094	-.00232	-.01578	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF220) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.162 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 220/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.16200	35.12110	1.66392	.23725	-.32621	.00229	.00866	.01473	.00000
.155	12.381	8.13416	35.09963	1.66451	.24148	-.33462	.00183	.00602	.01571	.00000
.155	22.180	8.12518	35.06879	1.62321	.27153	-.31453	-.00084	.00160	.00599	.00000
.155	38.071	8.12356	35.12165	1.56992	.28938	-.24037	.00056	-.00010	-.00418	.00000
.155	53.504	8.11346	35.26091	1.54840	.29579	-.21403	.00081	-.00055	-.00649	.00000
.155	74.542	8.16008	35.11045	1.55787	.29823	-.20214	.00091	-.00229	-.00927	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF221) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.070 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 221/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.07010	34.95992	1.81430	.25161	-.38256	-.00029	.00898	.02640	.00000
.155	12.764	10.04646	34.98438	1.81697	.25908	-.38908	-.00020	.00721	.01845	.00000
.155	21.161	10.10239	35.21588	1.79242	.29288	-.37131	.00018	.00272	.00623	.00000
.155	37.583	10.11656	35.20549	1.75484	.31573	-.28271	.00032	-.00036	-.00558	.00000
.155	52.761	10.12842	35.31098	1.73302	.32418	-.24957	.00119	-.00092	-.01094	.00000
.156	84.527	10.25374	35.44807	1.73939	.33252	-.23358	.00146	-.00204	-.01429	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF222) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.211	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 222/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.589	12.21083	34.97696	1.94864	.31021	-.42055	-.00099	.00636	.01439	.00000
.155	23.793	12.19976	34.96446	1.96302	.31764	-.40023	-.00109	.00339	.01253	.00000
.155	40.100	12.21504	35.23111	1.92342	.34737	-.32186	.00085	-.00159	-.00826	.00000
.155	55.480	12.24050	35.17046	1.90480	.35916	-.28399	.00116	-.00182	-.01055	.00000
.155	87.511	12.25111	35.09362	1.89840	.36858	-.26212	.00176	-.00248	-.01610	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF223) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.204	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 223/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.20445	35.38367	.92404	.19452	-.21046	.00204	.00482	.01364	.00000
.155	14.484	.17296	35.04137	.89721	.19985	-.20827	.00163	.00500	.01768	.00000
.155	24.601	.12087	34.94205	.83887	.20926	-.18355	.00147	.00094	.00191	.00000
.155	33.382	.10058	35.32923	.80123	.21381	-.16849	.00109	-.00120	-.00761	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40205.3.5 (RJF224) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.117	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 224/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.11649	35.08846	1.34230	.20863	-.32468	.00072	.00609	.01757	.00000
.155	13.318	4.09376	35.23145	1.32552	.21385	-.33128	.00062	.00627	.01439	.00000
.155	22.518	4.06379	35.11206	1.27520	.22988	-.29956	.00072	.00221	.00717	.00000
.155	38.783	4.15611	35.29364	1.22132	.24374	-.25859	.00039	-.00154	-.01239	.00000
.155	53.693	4.22763	35.19957	1.21569	.24695	-.24297	.00060	-.00204	-.01367	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40205.3.5 (RJF225) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.147	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 225/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14752	35.02985	1.51811	.22326	-.37325	.00293	.00923	.02045	.00000
.155	13.071	6.12445	34.98772	1.51740	.22851	-.38424	.00142	.00744	.02157	.00000
.155	21.838	6.11017	34.99692	1.46747	.24845	-.34904	-.00012	.00276	.00966	.00000
.155	37.209	6.08547	34.95642	1.40714	.26315	-.29474	.00062	-.00034	-.00451	.00000
.155	53.082	6.23394	35.16953	1.40555	.27047	-.27477	.00109	-.00071	-.01061	.00000
.155	64.030	6.18658	35.06313	1.39701	.27143	-.26761	.00111	-.00132	-.01419	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF226) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.164	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 226/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.16406	35.20490	1.68984	.23890	-.42514	.00150	.00805	.01667	.00000
.155	12.616	8.14030	35.11941	1.69650	.24353	-.43817	.00151	.00724	.01536	.00000
.155	22.171	8.12754	35.11437	1.64443	.27272	-.40870	-.00023	.00312	.00687	.00000
.154	36.695	8.12593	34.79870	1.60100	.28908	-.33839	.00002	-.00109	-.00146	.00000
.154	53.800	8.12288	34.58781	1.58567	.29496	-.30696	.00073	-.00135	-.00692	.00000
.155	74.745	8.25067	35.04054	1.58571	.30141	-.29585	.00122	-.00169	-.01403	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF227) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.089	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 227/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.08939	35.13214	1.82868	.25546	-.48512	-.00117	.00883	.02737	.00000
.155	13.158	10.06240	35.10757	1.84196	.26390	-.48941	-.00059	.00781	.02403	.00000
.155	21.260	10.05509	35.07474	1.80955	.29401	-.46537	.00020	.00377	.00569	.00000
.155	37.534	10.16491	35.04081	1.77075	.31999	-.37654	.00065	.00002	-.00535	.00000
.155	53.081	10.17615	35.21232	1.75571	.32765	-.34228	.00104	-.00023	-.00853	.00000
.155	79.320	10.26748	35.08146	1.74663	.33609	-.32501	.00142	-.00218	-.01355	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF228) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.121 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 228/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.157	20.625	12.12143	35.89058	1.96418	.30996	-.52368	-.00118	.00592	.01222	.00000
.157	23.811	12.10907	35.87280	1.95923	.32113	-.50541	-.00072	.00394	.01148	.00000
.155	38.649	12.12553	35.08538	1.93321	.34833	-.42126	.00038	-.00170	-.00539	.00000
.155	55.396	12.26594	34.99808	1.92697	.36127	-.37967	.00114	-.00170	-.01048	.00000
.155	86.467	12.28289	35.24894	1.92578	.37059	-.36063	.00130	-.00289	-.01291	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF229) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .216 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 229/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.21575	35.32769	.93536	.19389	-.27710	.00240	.00600	.01441	.00000
.155	15.039	.16767	35.22217	.91024	.19993	-.28840	.00201	.00444	.01656	.00000
.155	24.993	.11427	35.05832	.86082	.20923	-.30245	.00101	.00234	.00258	.00000
.155	34.005	.12909	35.11678	.85476	.21353	-.30501	.00041	.00149	-.00215	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF230) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.197 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 230/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.19659	35.21429	1.32702	.20640	-.25420	.00255	.00807	.02074	.00000
.155	14.108	4.17235	35.31045	1.30668	.21451	-.27193	.00196	.00755	.01717	.00000
.155	23.278	4.13552	35.16605	1.26634	.23118	-.30099	.00133	.00431	.00810	.00000
.155	39.430	4.08701	35.07149	1.22393	.24274	-.31229	-.00031	.00059	-.00465	.00000
.155	54.449	4.24565	35.17716	1.24655	.24739	-.31688	-.00056	-.00050	-.00908	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF231) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.094 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 231/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.09421	35.05495	1.48728	.21941	-.24317	.00227	.00890	.01935	.00000
.155	13.102	6.07094	35.24859	1.48219	.22434	-.25971	.00192	.00897	.02031	.00000
.155	21.973	6.11393	35.11491	1.44699	.24880	-.29307	.00047	.00281	.00891	.00000
.155	37.896	6.08101	35.09072	1.41422	.26421	-.31303	-.00038	.00006	-.00417	.00000
.155	53.393	6.28305	35.34154	1.42061	.27192	-.31218	-.00062	-.00140	-.00770	.00000
.156	64.178	6.22775	35.49832	1.41011	.27406	-.31268	-.00066	-.00211	-.01016	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF232) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.072 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 232/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.07212	35.12206	1.63555	.23182	-.23591	.00239	.01014	.02126	.00000
.155	12.332	8.04988	35.10018	1.63682	.23598	-.24426	.00163	.00946	.01880	.00000
.155	22.108	8.14798	35.04915	1.62361	.26851	-.28649	.00083	.00520	.00856	.00000
.155	37.794	8.12738	35.09448	1.58888	.28927	-.30791	-.00060	-.00168	-.00636	.00000
.155	53.368	8.15882	35.24386	1.58868	.29658	-.31287	-.00065	-.00181	-.00740	.00000
.155	74.534	8.32952	35.28360	1.60083	.30331	-.31382	-.00071	-.00187	-.00831	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF233) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.131 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000.
BDFLAP = .000

RUN NO. 233/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.13133	34.99565	1.76851	.24797	-.22129	.00190	.01069	.02215	.00000
.155	12.821	10.10774	35.18398	1.77710	.25291	-.23719	.00104	.00901	.02241	.00000
.155	21.514	10.09888	35.21340	1.77332	.28761	-.28928	-.00025	.00401	.00979	.00000
.155	38.208	10.19303	35.31244	1.76588	.31522	-.30952	-.00053	-.00106	-.00482	.00000
.155	53.364	10.19204	35.14725	1.74832	.32632	-.31244	-.00032	-.00165	-.00837	.00000
.155	82.541	10.24380	35.35641	1.75925	.33256	-.31335	-.00017	-.00081	-.00781	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7 F30TS402G5.3.5

(RJF234) (18 JUN 76)

REFERENCE DATA

SREF	=	5500.0000 SQ.FT.	XMRP	=	1339.9100 IN.XC
LREF	=	327.8000 IN.	YMRP	=	.0000 IN.YC
BREF	=	2348.0000 IN.	ZMRP	=	190.7500 IN.ZC
SCALE	=	.0400			

PARAMETRIC DATA

ALPHAW	=	12.131	RN/L	=	1.090
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 234/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.573	12.13098	35.11030	1.91052	.29918	-.26200	-.00103	.00532	.01518	.00000
.155	23.688	12.11975	35.12626	1.90659	.31179	-.27707	-.00112	.00349	.01337	.00000
.155	40.184	12.12604	35.09678	1.91052	.34369	-.30382	-.00085	-.00204	-.00449	.00000
.155	55.424	12.28155	35.15651	1.91865	.35815	-.31042	.00002	-.00061	-.00674	.00000
.156	86.051	12.30505	35.50249	1.93059	.36692	-.31498	.00024	-.00137	-.01296	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(RJF235) (18 JUN 76)

REFERENCE DATA

SREF	=	5500.0000 SQ.FT.	XMRP	=	1339.9100 IN.XC
LREF	=	327.8000 IN.	YMRP	=	.0000 IN.YC
BREF	=	2348.0000 IN.	ZMRP	=	190.7500 IN.ZC
SCALE	=	.0400			

PARAMETRIC DATA

ALPHAW	=	.234	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 235/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.23414	35.27990	.78948	.20497	.33213	.00321	.00406	.01148	.00000
.155	14.151	.18909	35.25311	.75846	.21100	.32634	.00223	.00411	.01420	.00000
.155	23.905	.14134	35.08002	.71355	.22068	.33354	.00230	.00183	-.00052	.00000
.155	33.035	.07817	35.27827	.67030	.22505	.34402	.00136	-.00036	-.00812	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF236) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.036 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 236/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	4.03580	35.08196	1.18305	.21270	.27350	.00183	.00666	.01570	.00000
.155	12.857	4.02030	35.07872	1.17419	.21689	.26147	.00228	.00756	.02024	.00000
.155	21.530	4.16734	35.09387	1.12973	.23466	.25891	.00183	.00128	.00298	.00000
.155	37.984	4.13809	35.04607	1.10016	.24462	.27702	.00163	.00028	-.00811	.00000
.155	52.721	4.21803	35.31617	1.07771	.25027	.28940	.00129	-.00037	-.01153	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF237) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.109 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 237/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.10854	35.03922	1.36384	.22465	.24423	.00298	.00687	.01414	.00000
.155	12.317	6.08493	35.05843	1.36956	.22688	.23050	.00188	.00756	.01528	.00000
.155	21.287	6.05961	35.15326	1.32075	.24716	.22645	.00147	.00294	.00486	.00000
.155	36.789	6.08493	35.21360	1.26782	.26275	.25302	.00158	.00018	-.00793	.00000
.155	53.026	6.24894	35.29427	1.27345	.26810	.26440	.00150	-.00088	-.01129	.00000
.155	63.338	6.19468	35.28408	1.26392	.26954	.27254	.00159	-.00041	-.01536	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF238) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.123	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 238/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.12317	35.10351	1.54101	.23513	.21197	.00362	.00799	.01170	.00000
.155	11.643	8.10227	35.12228	1.53508	.23557	.20734	.00337	.00923	.01310	.00000
.155	21.301	8.08572	35.05584	1.50105	.26526	.18057	.00037	.00482	.01085	.00000
.155	36.742	8.11459	35.28600	1.46786	.28161	.22436	.00111	-.00022	-.00974	.00000
.155	52.794	8.17226	35.16211	1.44783	.29011	.24800	.00147	-.00123	-.01128	.00000
.155	73.824	8.20464	35.07942	1.43672	.29460	.25964	.00155	-.00247	-.01812	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF239) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.152	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 239/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.15199	35.06910	1.68920	.24929	.16915	.00096	.00977	.02390	.00000
.155	12.495	10.12809	35.05351	1.69427	.25344	.15710	.00113	.00942	.02177	.00000
.155	20.546	10.12118	35.03298	1.67287	.28421	.13699	.00039	.00620	.01208	.00000
.155	36.854	10.18878	35.35203	1.63874	.31080	.19168	.00096	-.00189	-.01158	.00000
.156	52.296	10.28034	35.39838	1.63445	.32037	.21981	.00137	-.00049	-.01095	.00000
.155	80.845	10.30981	35.17543	1.62894	.32385	.23471	.00158	-.00208	-.01586	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF240) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.091 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 240/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.523	12.09108	35.04222	1.81775	.29376	.10672	-.00067	.00658	.01879	.00000
.155	24.295	12.07518	35.12782	1.82334	.30443	.11518	-.00046	.00429	.01181	.00000
.155	39.741	12.22070	35.17188	1.79755	.33542	.16815	.00103	-.00033	-.00526	.00000
.156	55.210	12.33721	35.44731	1.80121	.34704	.19664	.00195	-.00153	-.01358	.00000
.155	86.296	12.34302	35.25359	1.79320	.35617	.21355	.00216	-.00260	-.01831	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF241) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .204 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 241/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.20384	35.19052	.81970	.20242	.34480	.00336	.00656	.01837	.00000
.155	14.327	.16080	35.11687	.78841	.20847	.33756	.00314	.00489	.01647	.00000
.155	24.085	.11708	35.34434	.73220	.21725	.35770	.00215	.00053	.00273	.00000
.155	33.000	.12674	35.08899	.71332	.22086	.36520	.00225	.00198	-.00411	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF242) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.127	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 242/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.331	4.12728	35.43085	1.22222	.21207	.27272	.00252	.00670	.01915	.00000
.156	12.755	4.11557	35.51339	1.21442	.21611	.26297	.00219	.00478	.01525	.00000
.155	22.097	4.08433	35.34153	1.15644	.23260	.26903	.00189	.00146	.00118	.00000
.155	38.168	4.03791	35.03144	1.10574	.24218	.30033	.00196	.00097	-.00257	.00000
.154	53.120	4.18944	34.74373	1.10649	.24729	.30977	.00148	-.00164	-.01525	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF243) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.143	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 243/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.14310	35.66884	1.40191	.22240	.24761	.00519	.00980	.01629	.00000
.156	12.365	6.11753	35.63850	1.40504	.22644	.23165	.00386	.00761	.01636	.00000
.156	21.308	5.96664	35.53891	1.35265	.24966	.23072	.00161	.00356	.00792	.00000
.155	37.264	6.16274	35.03699	1.30558	.25756	.27084	.00229	.00142	-.00340	.00000
.155	53.065	6.21553	35.08035	1.28906	.26751	.29558	.00188	-.00159	-.01195	.00000
.155	63.430	6.16301	35.07149	1.27347	.26888	.30149	.00217	-.00192	-.01741	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF244) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.137 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 244/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.340	8.13665	35.70518	1.56117	.23699	.22043	.00375	.00853	.01314	.00000
.156	11.758	8.11013	35.50617	1.55961	.23867	.21683	.00375	.00870	.01730	.00000
.156	21.232	8.12236	35.46298	1.52803	.26814	.17819	.00145	.00299	.00449	.00000
.155	37.113	8.21128	35.01313	1.49205	.28551	.23643	.00198	.00038	-.00501	.00000
.154	52.582	8.19390	34.93181	1.46849	.29163	.26415	.00175	-.00224	-.01041	.00000
.155	73.768	8.27129	35.13346	1.46186	.29720	.27657	.00186	-.00323	-.01690	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF245) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.104 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 245/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.327	10.10404	35.43757	1.69946	.25280	.19437	.00123	.00924	.02262	.00000
.156	11.838	10.07752	35.45483	1.70107	.25375	.18760	.00152	.00838	.02135	.00000
.156	20.737	10.26322	35.41576	1.70775	.28747	.14215	.00132	.00530	.01123	.00000
.155	37.145	10.21500	35.14248	1.66541	.31140	.19808	.00118	-.00109	-.00593	.00000
.154	52.561	10.20654	34.86901	1.64404	.31955	.23063	.00214	-.00093	-.00919	.00000
.154	84.141	10.30160	34.75694	1.64601	.32480	.24728	.00240	-.00161	-.01364	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF246) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.217	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 246/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.549	12.21740	35.41205	1.84863	.30599	.12513	.00006	.00725	.01719	.00000
.156	23.868	12.20804	35.47081	1.84991	.31445	.12130	.00082	.00477	.00824	.00000
.155	39.939	12.21972	35.21502	1.82551	.34155	.17216	.00206	-.00068	-.01024	.00000
.155	55.403	12.24194	34.97462	1.81634	.35219	.20053	.00274	.00025	-.01213	.00000
.154	84.100	12.25241	34.83345	1.80734	.35999	.22326	.00248	-.00189	-.01308	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS40265.3.5 (RJF247) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.185	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 247/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.18506	35.33094	.97238	.18974	-.28187	.00339	.00705	.01941	.00000
.155	12.560	.15500	35.37055	.95680	.19172	-.28808	.00290	.00584	.01762	.00000
.155	14.901	.14044	35.39325	.93843	.19618	-.29578	.00267	.00552	.01834	.00000
.155	24.940	.11532	35.28367	.89648	.20564	-.30732	.00171	.00287	.00633	.00000
.155	25.500	.08258	35.24652	.89025	.20598	-.30653	.00163	.00280	.00416	.00000
.155	33.862	.11998	35.11649	.87995	.20991	-.31202	.00062	.00086	-.00432	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF248) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.176 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 248/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.17570	35.28243	1.35095	.20627	-.25853	.00305	.00799	.01781	.00000
.155	14.101	4.15540	35.28793	1.33822	.21347	-.27496	.00221	.00567	.01762	.00000
.155	23.348	4.12258	35.16122	1.29129	.23005	-.30608	.00133	.00310	.00672	.00000
.154	39.429	4.08054	34.83180	1.26408	.24049	-.31948	.00085	.00054	-.00628	.00000
.154	50.990	4.16077	34.92995	1.25923	.24518	-.32289	.00030	-.00088	-.00804	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF249) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.162 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 249/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.16209	35.16881	1.51797	.21884	-.24805	.00333	.00864	.01594	.00000
.155	13.503	6.14513	35.20752	1.50755	.22697	-.26431	.00211	.00661	.01276	.00000
.155	22.335	6.11118	35.13549	1.47328	.24783	-.29820	.00147	.00306	.00572	.00000
.155	24.103	6.10540	35.10791	1.46174	.25113	-.30107	.00149	.00340	.00476	.00000
.154	38.278	6.08036	34.77578	1.43334	.26326	-.31737	.00037	-.00077	-.00489	.00000
.154	54.084	6.28897	34.70218	1.43669	.26985	-.31909	.00012	-.00125	-.01032	.00000
.154	64.560	6.16536	34.89405	1.43495	.27147	-.32089	.00065	.00056	-.01149	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF250) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.199 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 250/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.340	8.19851	35.58048	1.67409	.23419	-.23446	.00336	.01155	.01794	.00000
.156	13.021	8.16928	35.49086	1.67277	.24227	-.24922	.00247	.00875	.01669	.00000
.156	22.543	8.15133	35.42953	1.64548	.27121	-.29264	.00118	.00424	.00728	.00000
.155	38.314	8.12908	35.12050	1.61200	.29168	-.31389	.00039	-.00081	-.00568	.00000
.154	53.892	8.24529	34.94855	1.61404	.29990	-.31908	-.00017	-.00336	-.01422	.00000
.155	75.037	8.19206	35.06649	1.60944	.30391	-.31840	.00027	-.00142	-.01538	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF251) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.114 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 251/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.11423	35.26867	1.78966	.25157	-.21981	.00238	.00911	.01963	.00000
.155	12.743	10.09237	35.22757	1.79244	.25779	-.23602	.00213	.00954	.01565	.00000
.155	21.546	10.07212	35.23169	1.78494	.29111	-.28614	.00101	.00515	.00958	.00000
.154	37.980	10.16642	34.91560	1.79130	.31847	-.30762	.00032	-.00103	-.00559	.00000
.155	53.349	10.28009	35.12395	1.78918	.33058	-.31312	.00008	-.00206	-.01112	.00000
.155	85.033	10.22839	35.01307	1.77880	.33791	-.31565	.00023	-.00202	-.01443	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS402G5.3.5 (RJF252) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.218 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 252/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.584	12.21836	35.26186	1.92327	.30857	-.25839	-.00032	.00449	.01023	.00000
.155	23.498	12.19892	35.20260	1.93403	.31858	-.26987	.00007	.00460	.00935	.00000
.155	40.025	12.20360	35.16611	1.93922	.35102	-.30397	.00053	.00024	-.00789	.00000
.155	55.200	12.22004	35.02767	1.93711	.36291	-.30961	.00016	-.00148	-.00979	.00000
.155	89.849	12.30358	35.04604	1.95545	.37454	-.31635	.00027	-.00185	-.01397	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF253) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .182 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 253/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.18206	35.22402	.94833	.19207	-.17746	.00214	.00475	.01555	.00000
.155	14.304	.13494	35.06847	.92407	.19696	-.18091	.00204	.00390	.01296	.00000
.155	24.352	.13240	34.96934	.87072	.20671	-.16033	.00160	.00150	.00316	.00000
.154	33.206	.14878	34.87461	.84187	.21078	-.14694	.00119	-.00122	-.00564	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF254) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.155	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 254/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.15457	35.09452	1.36400	.20932	-.26978	.00223	.00576	.01703	.00000
.155	13.528	4.13404	35.05255	1.35234	.21648	-.27739	.00105	.00480	.01741	.00000
.156	22.796	4.10632	35.42931	1.29257	.23200	-.25365	.00082	.00073	.00697	.00000
.156	38.907	4.17402	35.52277	1.23878	.24495	-.22215	.00120	-.00230	-.00894	.00000
.155	53.849	4.21912	35.36701	1.23182	.24849	-.20707	.00147	-.00130	-.01167	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF255) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.113	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 255/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.11333	35.23164	1.53917	.22428	-.31098	.00377	.00852	.01895	.00000
.155	12.848	6.09381	35.25556	1.53175	.22991	-.32097	.00269	.00661	.02006	.00000
.155	21.962	6.18287	35.19445	1.49619	.25176	-.29527	.00043	.00390	.01223	.00000
.155	37.825	6.16757	35.11629	1.44935	.26551	-.25471	.00106	-.00147	-.00889	.00000
.156	53.499	6.23955	35.58978	1.42464	.27323	-.23307	.00121	-.00149	-.00876	.00000
.155	63.959	6.18757	35.37413	1.41476	.27432	-.22574	.00119	-.00284	-.01162	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40205.3.5 (RJF256) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.174 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 256/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17370	35.08619	1.71492	.24276	-.36528	.00126	.00894	.02044	.00000
.155	12.697	8.15000	35.10036	1.70924	.24780	-.36980	.00123	.00822	.02221	.00000
.155	22.081	8.13927	35.33097	1.67129	.27597	-.35276	.00119	.00304	.00750	.00000
.155	38.063	8.18787	35.33155	1.61996	.29489	-.28806	.00069	-.00151	-.00607	.00000
.155	53.534	8.18713	35.20404	1.61422	.30073	-.25426	.00119	-.00279	-.01284	.00000
.156	74.728	8.25973	35.43775	1.60613	.30646	-.25167	.00115	-.00262	-.01266	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40205.3.5 (RJF257) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.184 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 257/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.18355	35.17877	1.85979	.26349	-.43633	-.00085	.00749	.02159	.00000
.155	12.764	10.15990	35.17671	1.86084	.26940	-.43508	-.00158	.00704	.02549	.00000
.155	21.692	10.15944	35.20498	1.85107	.29941	-.40363	.00088	.00297	.00866	.00000
.155	38.029	10.17241	35.18644	1.79353	.32509	-.32669	.00082	-.00174	-.00704	.00000
.155	53.441	10.25144	35.12850	1.78741	.33373	-.29718	.00127	-.00117	-.01095	.00000
.155	85.122	10.33351	35.36072	1.79158	.34221	-.28169	.00154	-.00302	-.01350	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF258) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.229	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 258/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.616	12.22882	35.06976	1.99461	.32147	-.46207	-.00065	.00458	.01112	.00000
.156	23.953	12.14062	35.40764	1.99455	.32865	-.44093	-.00105	.00328	.01883	.00000
.155	39.942	12.15782	35.16364	1.95591	.35789	-.36302	.00072	-.00018	-.00010	.00000
.156	55.437	12.25800	35.48976	1.95243	.36997	-.33016	.00168	-.00125	-.01051	.00000
.156	97.786	12.37818	35.45623	1.97446	.38145	-.31300	.00232	-.00262	-.01493	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF259) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 259/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.13736	35.13360	.90249	.19311	-.01019	.00289	.00705	.02143	.00000
.155	13.946	.09443	35.24796	.86745	.19850	-.01138	.00194	.00373	.01444	.00000
.155	23.997	.13694	35.16415	.82291	.20897	.00219	.00194	.00079	.00050	.00000
.155	32.866	.12253	35.37636	.79165	.21315	.01070	.00145	.00074	-.00601	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF260) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.181	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 260/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.332	4.18088	35.56168	1.31302	.20889	-.09327	.00225	.00642	.01785	.00000
.155	13.415	4.16031	35.25040	1.30141	.21485	-.10379	.00102	.00353	.01442	.00000
.155	22.682	4.13416	35.26734	1.25186	.22902	-.03859	.00149	.00172	.00618	.00000
.156	38.781	4.11921	35.41638	1.19013	.24156	-.05402	.00062	-.00302	-.00767	.00000
.155	53.728	4.19773	35.35036	1.18376	.24648	-.04070	.00119	-.00180	-.01227	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF261) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 261/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.16552	35.21874	1.50236	.22138	-.13834	.00354	.00731	.01609	.00000
.155	12.793	6.13737	35.08400	1.48499	.22809	-.14883	.00264	.00541	.01095	.00000
.156	21.908	6.11722	35.48080	1.43159	.24880	-.12860	.00090	.00133	.00565	.00000
.156	37.780	6.20423	35.47115	1.39625	.26321	-.08604	.00153	-.00055	-.00753	.00000
.155	53.431	6.17631	35.22747	1.37643	.26777	-.06355	.00137	-.00208	-.01054	.00000
.156	63.921	6.26188	35.55949	1.38334	.26989	-.06030	.00146	-.00261	-.01559	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF262) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.149 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 262/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.14864	35.03520	1.66401	.23745	-.17879	.00260	.01000	.02269	.00000
.155	12.180	8.12438	35.26511	1.66216	.24161	-.18794	.00240	.00722	.01744	.00000
.155	21.562	8.11087	35.14215	1.62644	.26996	-.17776	.00089	.00323	.00613	.00000
.156	37.533	8.20487	35.45509	1.58275	.28941	-.12093	.00063	-.00172	-.00526	.00000
.156	53.027	8.19907	35.42029	1.56511	.29594	-.09805	.00154	-.00016	-.00570	.00000
.155	74.208	8.27034	35.16941	1.56286	.30064	-.08464	.00126	-.00284	-.01209	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF263) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.166 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 263/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.327	10.16597	35.42543	1.80732	.25701	-.23653	.00001	.00828	.02360	.00000
.155	12.409	10.14390	35.27762	1.81133	.26137	-.24120	.00031	.00775	.02041	.00000
.155	21.302	10.13489	35.22140	1.79256	.29376	-.22630	.00126	.00234	.00393	.00000
.156	37.669	10.14919	35.44346	1.74589	.31688	-.15815	.00100	-.00119	-.00797	.00000
.155	53.066	10.23695	35.37229	1.74145	.32672	-.12930	.00161	-.00131	-.01002	.00000
.156	84.742	10.30073	35.43305	1.74144	.33501	-.11242	.00163	-.00316	-.01480	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF264) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.163	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 264/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.590	12.16252	35.17462	1.93844	.31092	-.27054	-.00086	.00466	.01486	.00000
.155	23.934	12.14558	35.22181	1.93435	.32019	-.26090	.00019	.00356	.01043	.00000
.156	39.951	12.16434	35.47129	1.91227	.34900	-.13897	.00078	-.00046	-.00236	.00000
.156	55.424	12.18572	35.46839	1.89246	.36160	-.15750	.00161	-.00107	-.00879	.00000
.155	97.771	12.33433	35.19225	1.91322	.37288	-.14091	.00177	-.00254	-.01242	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF265) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	11.591	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = .155

GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
20.581	12.17180	35.36102	1.90008	.36092	-.15544	.00150	-.00185	-.01114	.00000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF266) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.092	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 266/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.276	.09192	35.14060	.90606	.19205	-.08347	.00258	.00413	.02025	.00000
.155	13.970	.13459	35.17685	.89881	.19670	-.09294	.00167	.00287	.01742	.00000
.155	24.006	.17907	35.28636	.83969	.20789	-.07605	.00179	.00054	.00571	.00000
.156	32.866	.11722	35.48110	.81065	.21148	-.05958	.00113	-.00054	-.00541	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF267) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.187	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 267/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.18669	35.19843	1.33797	.20840	-.18427	.00166	.00497	.01642	.00000
.155	17.611	4.15868	35.12005	1.32058	.21600	-.19148	.00119	.00481	.01513	.00000
.155	22.870	4.14236	35.36405	1.27091	.22991	-.16933	.00027	.00170	.01540	.00000
.155	38.979	4.20607	35.28912	1.22291	.24230	-.13637	.00076	-.00212	-.00602	.00000
.156	53.915	4.16281	35.40527	1.20351	.24628	-.12185	.00096	-.00186	-.00705	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF268) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.100 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 268/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.09989	35.10103	1.50936	.22282	-.21878	.00413	.00837	.01664	.00000
.155	12.673	6.08402	35.11739	1.51193	.22677	-.22962	.00251	.00724	.02428	.00000
.155	21.786	6.11921	35.18047	1.46118	.24933	-.21426	.00085	.00229	.00929	.00000
.155	37.654	6.17567	35.35357	1.40731	.26536	-.16886	.00096	-.00198	-.00409	.00000
.155	53.322	6.23037	35.24171	1.39761	.27050	-.14934	.00150	-.00179	-.00712	.00000
.155	63.784	6.18539	35.32676	1.38421	.27187	-.14215	.00167	-.00138	-.01116	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF269) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.172 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 269/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17161	35.25356	1.67898	.23975	-.26662	.00181	.00769	.02286	.00000
.155	12.444	8.13812	34.99672	1.67947	.24379	-.27746	.00175	.00769	.02187	.00000
.155	21.838	8.12892	35.25278	1.64956	.27093	-.26454	.00057	.00199	.00786	.00000
.155	37.809	8.19445	35.32637	1.60025	.29121	-.20680	.00056	-.00053	.00039	.00000
.155	53.304	8.20045	35.31628	1.58185	.29809	-.18215	.00121	-.00173	-.00839	.00000
.156	74.495	8.26465	35.42061	1.57849	.30309	-.16904	.00111	-.00246	-.00761	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF270) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.130 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 270/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.12962	35.22001	1.82427	.25807	-.33136	-.00063	.00790	.02874	.00000
.155	12.406	10.10751	35.18383	1.82836	.26331	-.33552	-.00056	.00728	.02337	.00000
.155	21.307	10.10434	35.15853	1.80633	.29504	-.31418	.00126	.00340	.01062	.00000
.155	37.661	10.18804	35.22060	1.76449	.32110	-.24078	.00076	-.00225	-.00634	.00000
.156	53.079	10.20497	35.58854	1.75558	.32960	-.21470	.00125	-.00155	-.00690	.00000
.156	84.747	10.28851	35.49197	1.75439	.33774	-.19662	.00164	-.00216	-.01124	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40265.3.5 (RJF271) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.184 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 271/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.602	12.18399	35.18836	1.96027	.31371	-.36508	-.00118	.00585	.02061	.00000
.155	23.928	12.17298	35.34242	1.96434	.32332	-.34577	-.00005	.00415	.01601	.00000
.156	39.960	12.18791	35.46019	1.92721	.35321	-.27628	.00070	-.00103	-.00251	.00000
.155	55.415	12.20997	35.24419	1.91663	.36391	-.24170	.00143	-.00190	-.00704	.00000
.155	97.760	12.35868	35.27510	1.94043	.37613	-.22553	.00230	-.00199	-.01400	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5 (RJF272) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000	GP =	54.000

RUN NO. 272/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	4.377	.00000	35.28277	1.21709	.24578	-.11991	.00128	-.00177	-.00999
.155	6.444	.00000	35.12014	1.40555	.26983	-.15007	.00135	-.00136	-.00905
.156	8.482	.00000	35.44106	1.58987	.29864	-.18100	.00129	-.00009	-.00346
.155	10.476	.00000	35.10665	1.75884	.32950	-.21135	.00146	-.00170	-.00820
.155	12.539	.00000	35.25544	1.93228	.36249	-.24666	.00137	-.00133	-.00774
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF273) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.208	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 273/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.20791	35.11574	.93368	.17731	-.08256	.00297	.00354	.01322	.00000
.155	14.419	.15965	35.22980	.90485	.18305	-.08720	.00224	.00345	.01075	.00000
.155	24.463	.11514	35.04625	.84765	.19332	-.06170	.00186	.00028	.00054	.00000
.155	33.369	.17732	35.08268	.83212	.19751	-.05234	.00161	.00036	-.00578	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF274) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.170	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 274/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.16978	35.04202	1.34596	.19464	-.17554	.00240	.00625	.02003	.00000
.155	13.417	4.14721	35.13502	1.34158	.20022	-.18796	.00141	.00380	.01565	.00000
.155	22.665	4.12115	34.98891	1.27920	.21673	-.16322	.00151	.00110	.00472	.00000
.155	38.786	4.14861	35.17541	1.22225	.22911	-.12227	.00099	-.00135	-.00717	.00000
.155	53.725	4.23338	35.29065	1.21541	.23419	-.10743	.00119	-.00163	-.01134	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF275) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.144	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 275/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14375	35.08444	1.52783	.20921	-.22345	.00387	.00647	.01369	.00000
.155	12.877	6.10518	34.92329	1.51217	.21495	-.23206	.00298	.00494	.01385	.00000
.155	21.989	6.10054	35.14456	1.45860	.23779	-.20724	.00094	.00123	.00641	.00000
.155	37.856	6.14965	34.91389	1.41739	.25117	-.15344	.00122	-.00146	-.01066	.00000
.155	64.002	6.21091	35.14036	1.39958	.25916	-.12759	.00174	-.00118	-.01147	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF276) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.179 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 276/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17937	35.11950	1.69582	.22618	-.27198	.00166	.00642	.01598	.00000
.155	12.524	8.16119	35.08879	1.68987	.23205	-.28233	.00184	.00558	.01356	.00000
.155	21.932	8.14827	35.03840	1.65252	.26107	-.25873	.00080	.00251	.00982	.00000
.155	37.878	8.15270	35.11251	1.60541	.27883	-.19619	.00036	-.00115	-.00144	.00000
.155	53.377	8.24323	35.34574	1.59469	.28669	-.17046	.00093	-.00273	-.01022	.00000
.156	74.585	8.26207	35.48034	1.59177	.29129	-.15743	.00139	-.00176	-.01177	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF277) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.178 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 277/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.17770	35.15577	1.84518	.24463	-.34401	-.00104	.00874	.03257	.00000
.155	12.662	10.15203	35.17693	1.84549	.25031	-.34622	-.00087	.00770	.02594	.00000
.155	21.587	10.14952	35.20986	1.82535	.28374	-.31200	.00108	.00364	.00891	.00000
.155	37.910	10.16185	35.03713	1.76710	.31073	-.23746	.00087	-.00110	-.00397	.00000
.155	53.324	10.17902	35.28906	1.76211	.31753	-.20929	.00074	-.00337	-.00888	.00000
.155	85.017	10.26438	35.31686	1.77427	.32416	-.19199	.00190	-.00227	-.01540	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF278) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 278/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.609	12.18423	35.17209	1.97821	.30195	-.37547	-.00114	.00632	.01849	.00000
.155	23.936	12.17514	35.16174	1.98056	.31131	-.35743	-.00011	.00289	.01314	.00000
.156	39.963	12.19623	35.44841	1.94840	.34073	-.27836	.00087	-.00192	-.00736	.00000
.155	55.439	12.21449	35 93552	1.92950	.35295	-.24403	.00160	-.00279	-.01214	.00000
.155	97.786	12.39746	35.08789	1.95774	.36526	-.22698	.00244	-.00214	-.01463	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF279) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.160	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 279/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.16019	35.22868	.89965	.17912	.00366	.00297	.00594	.01498	.00000
.155	14.036	.11549	35.19837	.88047	.18441	-.00043	.00246	.00508	.01335	.00000
.155	24.101	.13709	35.08700	.82353	.19545	.01560	.00178	-.00001	-.00081	.00000
.155	32.972	.14570	35.14114	.80094	.19993	.02377	.00147	.00104	-.00471	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF280) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.141 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 280/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.14098	35.16944	1.31887	.19345	-.08768	.00236	.00587	.01439	.00000
.155	13.180	4.11639	35.16233	1.30927	.19909	-.09833	.00189	.00383	.01132	.00000
.155	22.455	4.09186	35.05646	1.25134	.21668	-.07336	.00144	-.00034	.00180	.00000
.155	38.573	4.20697	35.12805	1.21314	.22928	-.03758	.00103	-.00166	-.00941	.00000
.155	53.509	4.17857	35.27649	1.18989	.23320	-.02763	.00095	-.00171	-.01165	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF281) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.199 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 281/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.19889	35.12555	1.50707	.20844	-.13476	.00435	.00790	.01524	.00000
.155	13.021	6.17195	35.12063	1.49693	.21477	-.14539	.00247	.00492	.01263	.00000
.155	22.114	6.15404	34.96621	1.44680	.23521	-.11854	.00134	.00324	.00933	.00000
.154	37.976	6.13201	34.83110	1.38913	.25030	-.06917	.00154	-.00150	-.00667	.00000
.155	53.636	6.21909	35.14250	1.38595	.25579	-.04884	.00161	-.00146	-.01167	.00000
.155	64.123	6.24320	35.27342	1.38200	.25788	-.03919	.00167	-.00184	-.01281	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF282) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.128 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 282/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.12765	35.18486	1.66380	.22356	-.17741	.00263	.00810	.01961	.00000
.155	12.144	8.10140	35.12488	1.65989	.22734	-.18297	.00300	.00923	.01906	.00000
.155	21.525	8.16051	35.06268	1.62915	.25901	-.17454	.00075	.00226	.00747	.00000
.155	37.489	8.16267	35.06729	1.58076	.27716	-.11150	.00119	-.00037	-.00636	.00000
.155	53.002	8.24154	35.32686	1.57637	.28387	-.08478	.00133	-.00191	-.00993	.00000
.155	74.191	8.25922	35.18697	1.56818	.28801	-.07025	.00151	-.00238	-.01337	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF283) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.137 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 283/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.13719	35.30007	1.81060	.24202	-.24208	.00001	.00952	.02746	.00000
.155	12.197	10.10914	35.20519	1.81810	.24618	-.24678	.00019	.00669	.01921	.00000
.155	21.125	10.10770	35.09542	1.80339	.27993	-.22970	.00136	.00316	.00855	.00000
.154	37.449	10.16053	34.73848	1.75850	.30468	-.15264	.00079	-.00044	-.00274	.00000
.155	52.871	10.17682	35.23203	1.73843	.31459	-.12120	.00155	-.00018	-.00661	.00000
.156	84.556	10.30650	35.38759	1.74840	.32148	-.10734	.00191	-.00169	-.01419	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF284) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.159	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 284/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.594	12.15881	35.08630	1.95431	.29537	-.28346	-.00112	.00532	.02000	.00000
.155	23.917	12.13989	35.04841	1.94374	.30721	-.26611	-.00047	.00445	.01552	.00000
.155	39.936	12.16459	34.98958	1.92310	.33559	-.19071	.00135	-.00096	-.00630	.00000
.156	55.435	12.23866	35.39067	1.91025	.34774	-.15888	.00173	-.00175	-.01155	.00000
.156	97.763	12.33376	35.38719	1.92511	.36024	-.13757	.00229	-.00196	-.01456	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF285) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.120	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 285/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.12034	35.17145	.93281	.17901	-.16068	.00291	.00453	.01883	.00000
.155	14.097	.12338	35.05320	.92185	.18429	-.16353	.00253	.00296	.01179	.00000
.155	24.150	.15289	35.08418	.86017	.19522	-.14099	.00209	.00045	.00393	.00000
.156	33.033	.19621	35.41966	.84579	.19972	-.12733	.00152	-.00102	-.00516	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF286) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.113 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 286/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.11262	35.21354	1.35932	.19584	-.26133	.00265	.00625	.01598	.00000
.155	13.282	4.08430	35.09969	1.34309	.20184	-.26865	.00135	.00441	.01383	.00000
.155	22.573	4.14403	35.12366	1.30027	.21967	-.24475	.00098	.00017	.00544	.00000
.155	38.655	4.10516	35.30689	1.24231	.23042	-.20670	.00105	-.00112	-.00792	.00000
.155	53.618	4.21324	35.24990	1.23807	.23610	-.19091	.00101	-.00200	-.01246	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF287) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.125 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 287/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.12473	35.42848	1.54462	.21223	-.30926	.00412	.00671	.01293	.00000
.155	12.819	6.09758	35.06380	1.52868	.21789	-.31980	.00336	.00614	.01455	.00000
.155	21.946	6.15792	35.26652	1.48558	.24083	-.28960	.00023	.00210	.00898	.00000
.155	37.799	6.14451	35.15481	1.44393	.25443	-.23833	.00103	-.00128	-.00719	.00000
.155	53.463	6.22045	35.18383	1.42542	.26136	-.21969	.00117	-.00216	-.00970	.00000
.156	63.971	6.27445	35.41195	1.43360	.26306	-.21415	.00105	-.00291	-.01500	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF288) (18 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.199 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 288/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.19856	35.15742	1.71673	.22918	-.36864	.00142	.00766	.01871	.00000
.155	12.712	8.17297	35.14261	1.71209	.23536	-.37387	.00202	.00755	.01874	.00000
.155	22.099	8.16611	35.34500	1.67460	.26489	-.34835	.00113	.00290	.00609	.00000
.155	38.080	8.16707	34.98659	1.62708	.28230	-.28156	.00067	-.00099	-.00540	.00000
.156	53.567	8.16176	35.37176	1.60061	.28878	-.25277	.00070	-.00319	-.00843	.00000
.155	74.763	8.23374	35.33394	1.61514	.29315	-.24302	.00131	-.00211	-.01294	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF289) (18 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.130 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 289/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.12985	35.05277	1.86889	.24878	-.44206	-.00102	.00837	.02847	.00000
.155	12.414	10.10194	35.07295	1.86591	.25334	-.44233	-.00171	.00744	.02798	.00000
.155	21.327	10.15273	35.23000	1.84100	.28868	-.40385	.00085	.00044	.00664	.00000
.155	37.674	10.16785	35.40033	1.79885	.31381	-.32329	.00067	-.00194	-.00492	.00000
.155	53.078	10.17948	35.20493	1.78725	.31996	-.29300	.00093	-.00308	-.00761	.00000
.155	84.756	10.31858	35.34685	1.78899	.32972	-.27585	.00146	-.00283	-.01246	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF290) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.171 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 290/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.609	12.17091	34.78718	1.99964	.30503	-.47090	-.00291	.00785	.03063	.00000
.155	23.959	12.16184	35.15338	1.99334	.31637	-.44853	-.00008	.00465	.01393	.00000
.154	39.964	12.18330	34.93000	1.96834	.34396	-.36490	.00121	-.00099	-.00506	.00000
.155	55.447	12.20362	35.33237	1.94420	.35781	-.32790	.00113	-.00257	-.00771	.00000
.155	97.797	12.36843	35.34906	1.97316	.36862	-.31299	.00213	-.00220	-.01237	.00000
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF291) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .231 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 291/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.279	.23101	35.52674	.99569	.17682	-.30220	.00324	.00537	.01578	.00000
.155	15.205	.18149	35.27387	.97130	.18344	-.31343	.00239	.00381	.01170	.00000
.155	25.330	.12886	35.10366	.92418	.19327	-.32448	.00173	.00144	.00500	.00000
.155	34.258	.16487	35.00068	.90587	.19793	-.32870	.00066	.00172	-.00251	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF292) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.088 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 292/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.08838	35.11776	1.36784	.19324	-.28140	.00297	.00578	.01506	.00000
.155	14.457	4.05682	35.05187	1.34896	.20259	-.30137	.00259	.00622	.01611	.00000
.154	22.903	4.02564	34.92508	1.31409	.21748	-.32123	.00126	.00192	.00653	.00000
.154	39.155	4.15273	34.92949	1.28157	.23215	-.33654	.00008	-.00112	-.00142	.00000
.155	54.075	4.26768	35.12765	1.28653	.23727	-.33960	.00011	-.00066	-.00628	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF293) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.232 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 293/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.23160	35.42663	1.54808	.20854	-.26952	.00275	.00730	.01475	.00000
.155	13.797	6.20532	35.03717	1.53540	.21742	-.28425	.00312	.00976	.02198	.00000
.155	22.995	6.17734	35.13907	1.50111	.23887	-.31709	.00180	.00328	.00542	.00000
.154	38.704	6.13962	34.96213	1.47397	.25354	-.33373	.00042	-.00074	-.00507	.00000
.155	54.401	6.11522	35.17826	1.45601	.25991	-.33361	.00037	-.00103	-.00318	.00000
.155	64.978	6.30888	35.24527	1.46037	.26603	-.33484	.00001	-.00175	-.00755	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS40IG5.3.5 (RJF294) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.170 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 294/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.157	11.340	8.17000	35.88585	1.69263	.22322	-.25981	.00289	.00971	.02062	.00000
.156	13.032	8.15029	35.82376	1.69454	.23019	-.27527	.00207	.00820	.01793	.00000
.157	22.532	8.13060	36.03918	1.67074	.26020	-.31272	.00110	.00374	.00677	.00000
.154	38.148	8.10261	34.89911	1.63368	.28057	-.32753	.00012	-.00111	-.00418	.00000
.155	53.862	8.26566	35.02636	1.64473	.29036	-.33115	-.00002	-.00165	-.00630	.00000
.155	74.924	8.21096	35.40592	1.63607	.29457	-.33258	-.00014	-.00223	-.01061	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F30TS40IG5.3.5 (RJF295) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.141 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 295/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.14119	35.12620	1.81829	.23996	-.23854	.00255	.01003	.02316	.00000
.155	13.814	10.10911	35.09130	1.82015	.25195	-.26773	.00193	.00851	.01526	.00000
.155	21.813	10.22361	35.07824	1.82808	.28416	-.30766	.00047	.00341	.01012	.00000
.154	38.099	10.22106	34.82983	1.81132	.30972	-.32537	-.00012	-.00041	.00002	.00000
.155	53.669	10.23540	35.35157	1.80279	.32023	-.32845	.00043	-.00096	-.00722	.00000
.155	85.258	10.27205	35.15345	1.80649	.32650	-.33477	.00001	-.00162	-.01284	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

DATE 06 JUL 76 CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7 F30TS401G5.3.5 (RJF296) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.141	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 296/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.589	12.14151	34.96247	1.95084	.29657	-.28160	.00009	.00519	.01625	.00000
.155	23.849	12.13216	34.96932	1.95083	.30618	-.29553	-.00027	.00282	.00697	.00000
.155	40.322	12.18593	35.21995	1.96840	.33980	-.32354	-.00029	-.00133	-.00477	.00000
.155	55.330	12.27357	35.09122	1.95876	.35755	-.33240	.00005	-.00107	-.00474	.00000
.156	97.816	12.27266	35.42775	1.97872	.36577	-.33558	.00016	-.00202	-.01202	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF297) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.263	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 297/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.26270	35.34766	.82788	.18774	.35404	.00368	.00355	.01160	.00000
.155	14.372	.21801	35.38004	.80151	.19256	.34620	.00299	.00426	.01057	.00000
.155	24.370	.16503	35.21198	.74325	.20310	.36140	.00217	.00042	-.00304	.00000
.155	33.253	.09460	35.07726	.70891	.20677	.37623	.00181	-.00024	-.00888	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF298) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.047 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 298/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	4.04743	35.14130	1.21553	.19536	.28566	.00306	.00655	.01790	.00000
.155	16.791	4.12249	35.26952	1.19447	.21038	.26536	.00207	.00399	.00310	.00000
.155	22.231	4.10865	35.36861	1.16247	.21861	.27991	.00247	.00138	-.00223	.00000
.155	37.674	4.15749	35.04209	1.11342	.23127	.30759	.00123	-.00223	-.01275	.00000
.155	52.767	4.22103	35.14231	1.10431	.23638	.31772	.00112	-.00324	-.01630	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF299) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.135 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 299/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13541	35.04289	1.40701	.20881	.25099	.00515	.00638	.00507	.00000
.155	14.026	6.11146	34.98017	1.41378	.21629	.23091	.00244	.00644	.01407	.00000
.154	21.809	6.09256	34.93941	1.35832	.23471	.24037	.00176	.00150	.00114	.00000
.154	37.469	6.18087	34.94504	1.32187	.24925	.27848	.00195	-.00123	-.01162	.00000
.155	53.311	6.15548	34.99204	1.29962	.25354	.29995	.00190	-.00147	-.01191	.00000
.155	63.738	6.20841	35.13657	1.28958	.25720	.30717	.00197	-.00241	-.01951	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF300) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.209 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 300/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.20941	35.24102	1.57467	.22035	.21607	.00328	.00622	.01189	.00000
.155	12.216	8.18326	35.18249	1.57059	.22473	.20636	.00391	.00884	.01298	.00000
.154	22.133	8.16419	34.90780	1.54379	.25366	.18796	-.00068	.00158	.00425	.00000
.154	37.619	8.15327	34.54843	1.49090	.27062	.23953	.00212	.00108	-.00779	.00000
.154	53.332	8.19800	34.47594	1.48244	.27942	.26019	.00192	-.00129	-.00887	.00000
.155	74.372	8.13760	35.08923	1.46741	.28157	.27718	.00198	-.00252	-.01749	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF301) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.143 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 301/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.14258	35.05235	1.71033	.23684	.17914	.00133	.00926	.01934	.00000
.155	13.019	10.11915	34.94515	1.71321	.24492	.16134	.00152	.00706	.01545	.00000
.155	20.810	10.11666	35.15176	1.71314	.27249	.13453	.00105	.00338	.00879	.00000
.155	37.598	10.18925	34.99801	1.67709	.29831	.19380	.00161	-.00040	-.01058	.00000
.154	52.702	10.16122	34.82077	1.65073	.30971	.22075	.00175	-.00205	-.01467	.00000
.154	84.477	10.28636	34.82469	1.65711	.31485	.23716	.00216	-.00235	-.01781	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5 (RJF302) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.252	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 302/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.560	12.25231	35.69344	1.85864	.29238	.10800	-.00040	.00585	.01224	.00000
.156	23.791	12.26786	35.67769	1.85746	.30191	.10668	.00036	.00426	.00870	.00000
.155	40.018	12.23560	35.21007	1.83730	.32965	.15265	.00127	-.00080	-.00995	.00000
.155	55.257	12.25568	35.05472	1.82841	.33974	.17644	.00147	-.00093	-.00909	.00000
.156	97.763	12.31657	35.37506	1.84406	.34935	.19363	.00209	-.00168	-.01317	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF303) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.255	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 303/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.25548	34.97760	-.02629	.13119	.67534	.00295	.00372	.02329	.00000
.155	14.997	.20729	34.97033	-.03764	.13143	.66418	.00306	.00206	.00790	.00000
.155	24.941	.15496	35.08663	-.04654	.13089	.64210	.00288	.00097	.00314	.00000
.155	33.886	.08055	35.17385	-.05328	.13130	.64498	.00239	-.00038	-.00596	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF304) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.075	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 304/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.07501	35.27487	.44462	.11357	.58115	.00252	.00266	.01357	.00000
.155	13.172	4.05471	35.23167	.42248	.11422	.57499	.00259	.00399	.01607	.00000
.155	22.528	4.00907	35.08491	.36209	.11608	.56428	.00234	.00037	.00162	.00000
.154	38.530	4.03537	34.90066	.34073	.11704	.56321	.00248	-.00003	-.01018	.00000
.155	53.603	4.09538	35.00459	.33622	.11775	.56524	.00235	.00032	-.01316	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00030	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF305) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.060	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 305/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.06019	35.07987	.66430	.11839	.53609	.00225	.00447	.01886	.00000
.155	21.533	5.97814	34.99825	.56706	.12114	.52529	.00243	.00228	.00693	.00000
.155	37.417	6.13438	34.94693	.55075	.12312	.52599	.00280	.00102	-.00925	.00000
.155	53.329	6.13921	35.17970	.53548	.12339	.53072	.00284	.00066	-.01254	.00000
.155	63.659	6.20108	35.14053	.53907	.12369	.53077	.00301	-.00033	-.01299	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF306) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 306/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.10720	35.24689	.88187	.13340	.49417	.00147	.00549	.02470	.00000
.155	12.034	8.08247	35.15388	.86981	.13284	.48875	.00186	.00522	.02047	.00000
.155	21.853	8.06709	34.94031	.78005	.13489	.48126	.00258	.00283	.00761	.00000
.154	37.500	8.22771	34.78745	.74950	.13779	.48849	.00243	-.00094	-.00879	.00000
.155	53.137	8.20339	35.15024	.73711	.13794	.49481	.00293	.00096	-.00790	.00000
.155	74.245	8.10863	35.28607	.71917	.13803	.50441	.00296	-.00053	-.01175	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF307) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 307/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.157	11.327	10.12851	36.01732	1.08198	.15340	.44611	.00078	.00600	.02581	.00000
.157	12.338	10.09620	35.99280	1.06258	.15421	.44585	.00061	.00435	.01793	.00000
.156	21.104	10.07021	35.79673	.98487	.15634	.44535	.00137	.00313	.01097	.00000
.157	37.587	10.19164	36.09981	.93914	.16087	.46453	.00260	-.00047	-.00877	.00000
.155	52.921	10.16801	35.20305	.90957	.16077	.47164	.00242	-.00234	-.01018	.00000
.155	84.594	10.17307	35.17632	.91856	.16106	.48118	.00258	-.00090	-.01267	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF308) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.145 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 308/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.204	12.14487	35.63760	1.20238	.18322	.39152	.00053	.00460	.01707	.00000
.156	23.286	12.11180	35.40209	1.18151	.18398	.39716	-.00011	.00454	.01996	.00000
.155	39.615	12.09893	34.92118	1.12023	.18634	.43229	.00203	.00104	-.00547	.00000
.155	55.084	12.21453	35.02898	1.11372	.18854	.44429	.00253	-.00053	-.01327	.00000
.155	97.311	12.34424	35.03489	1.11247	.19249	.45471	.00271	-.00029	-.01209	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF309) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .211 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 309/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.21050	34.97256	.16714	.12309	-.03149	.00227	.00286	.02146	.00000
.155	15.940	.15717	35.12248	.14883	.12318	-.03978	.00180	.00115	.01198	.00000
.155	25.541	.11646	34.98936	.14169	.12316	-.04621	.00167	.00213	.00828	.00000
.155	34.665	.03524	34.98624	.12061	.12481	-.04975	.00067	-.00013	-.00370	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF310) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.011 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 310/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	4.01119	35.17540	.59086	.11410	-.03037	.00218	.00470	.02285	.00000
.155	14.457	3.97599	35.04921	.56348	.11553	-.04250	.00205	.00387	.02128	.00000
.155	22.914	4.03694	34.99090	.52247	.11851	-.05263	.00092	.00054	.00567	.00000
.155	39.216	4.25205	34.93211	.52435	.12037	-.05592	.00009	.00005	-.00293	.00000
.155	54.118	4.16434	34.98987	.50639	.12076	-.05545	-.00002	.00028	-.00823	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF311) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.211 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 311/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.21154	34.72032	.82393	.12233	-.02586	.00228	.00500	.02835	.00000
.155	14.232	6.17662	35.01874	.79254	.12349	-.03458	.00190	.00368	.02104	.00000
.155	23.406	6.13804	35.01519	.73272	.12753	-.04752	.00140	.00265	.01487	.00000
.155	39.146	6.09068	35.16826	.69280	.12990	-.05345	.00046	-.00061	.00035	.00000
.155	55.077	6.10597	35.06888	.68546	.13068	-.05676	.00056	.00028	-.00030	.00000
.154	65.473	6.19682	34.82651	.69032	.13151	-.05282	.00027	-.00092	-.00612	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF312) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.089 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 312/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.08902	35.32485	1.01965	.13662	-.01500	.00243	.00746	.03481	.00000
.155	12.918	8.06637	35.06001	.99260	.13795	-.02620	.00208	.00563	.02252	.00000
.155	22.722	8.16388	34.94572	.92874	.14346	-.04779	.00132	.00277	.01142	.00000
.155	38.608	8.17144	35.04897	.88340	.14686	-.04868	.00026	-.00063	-.00106	.00000
.155	54.117	8.20550	34.94112	.88326	.14799	-.04927	.00066	.00071	-.00351	.00000
.155	75.173	8.11483	35.23551	.85969	.14814	-.05070	.00030	-.00086	-.00343	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF313) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.137 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 313/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.13682	35.15611	1.19708	.15823	-.01333	.00146	.00631	.03011	.00000
.155	13.481	10.10718	35.17272	1.17654	.15964	-.01927	.00156	.00658	.03115	.00000
.155	22.102	10.11565	35.03926	1.11026	.16560	-.03886	.00131	.00445	.01841	.00000
.155	38.584	10.14693	35.02769	1.07687	.17076	-.04717	.00054	.00067	.00284	.00000
.155	54.006	10.23184	35.05485	1.05682	.17388	-.04687	.00038	-.00111	-.00540	.00000
.155	85.643	10.27138	35.26245	1.06621	.17415	-.04367	.00015	-.00114	-.00636	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF314) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.208 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 314/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.247	12.20790	35.01341	1.30919	.19294	-.03807	.00075	.00464	.02067	.00000
.155	23.385	12.18272	35.07965	1.28788	.19516	-.03828	.00061	.00364	.01486	.00000
.154	39.791	12.16246	34.87834	1.24436	.20130	-.04456	.00034	.00000	.00143	.00000
.154	54.909	12.16409	34.62370	1.23849	.20294	-.04198	-.00007	-.00191	-.00275	.00000
.153	97.360	12.30340	34.42496	1.24279	.20769	-.04033	.00033	-.00089	-.00543	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF315) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .206 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 315/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.20636	35.02033	.08296	.12255	.23670	.00279	.00328	.01607	.00000
.155	15.018	.16234	35.18533	.07835	.12265	.22851	.00269	.00335	.01599	.00000
.155	24.030	.08217	35.37483	.06045	.12304	.21981	00239	.00006	.00388	.00000
.155	34.032	-.00361	35.09556	.03613	.12411	.21745	00209	.00001	-.00680	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K3.1TS7H15.6.1F10TS4C2G5.3.5 (RJF316) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.136	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 316/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.13642	35.23063	.56034	.11188	.14176	.00202	.00456	.01945	.00000
.155	13.985	4.10505	35.21999	.53512	.11265	.13756	.00206	.00421	.01707	.00000
.155	23.199	4.06659	34.99779	.47994	.11536	.13149	.00230	.00179	.00323	.00000
.155	39.277	4.07544	35.34521	.46119	.11559	.13586	.00204	.00049	-.00785	.00000
.155	54.300	4.22740	35.10464	.46594	.11699	.13888	.00242	.00080	-.01073	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS4O2G5.3.5 (RJF317) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.3000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.112	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 317/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.11230	34.99580	.78356	.11961	.08816	.00120	.00519	.02790	.00000
.155	13.289	6.08257	35.14257	.76076	.12033	.08406	.00153	.00560	.02581	.00000
.155	22.212	6.05423	35.09494	.70085	.12249	.09298	.00161	.00206	.01560	.00000
.155	38.137	6.19751	35.06737	.67549	.12581	.09733	.00246	-.00013	-.00506	.00000
.155	53.844	6.17361	35.22142	.65282	.12660	.10452	.00269	.00038	-.00805	.00000
.155	64.420	6.26622	35.11893	.66185	.12711	.10510	.00288	-.00019	-.01339	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF318) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.230	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 318/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.339	8.23028	35.09772	1.02714	.13765	.00575	.00060	.00724	.02875	.00000
.155	13.226	8.19269	35.02933	.98754	.13805	.01366	.00087	.00625	.02608	.00000
.155	22.824	8.15822	35.16196	.90575	.14037	.03549	.00174	.00220	.00936	.00000
.155	38.858	8.14246	35.12912	.86156	.14280	.05929	.00221	-.00137	-.00490	.00000
.155	54.503	8.23924	35.16510	.85702	.14462	.06708	.00233	-.00077	-.00563	.00000
.155	75.376	8.25391	35.15933	.84883	.14525	.07388	.00263	-.00061	-.01078	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF319) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.085	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 319/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.08511	35.19437	1.21427	.15934	-.07838	-.00012	.00709	.03132	.00000
.155	14.177	10.05014	35.13869	1.17597	.16125	-.05683	-.00067	.00518	.02712	.00000
.155	21.155	10.12696	34.96051	1.11218	.16517	-.02365	.00065	.00335	.01998	.00000
.155	37.918	10.13938	35.26400	1.05672	.16361	.01840	.00177	-.00146	-.00201	.00000
.155	53.625	10.21365	35.24485	1.05273	.17044	.03147	.00247	-.00053	-.00673	.00000
.155	84.918	10.22325	35.10604	1.03892	.17107	.04085	.00240	-.00129	-.01243	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF320) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.133 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 320/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.262	12.13278	35.08265	1.33238	.19480	-.11561	-.00047	.00333	.01869	.00000
.155	24.107	12.11033	35.15772	1.30130	.19619	-.08869	.00004	.00419	.01784	.00000
.155	40.144	12.10922	35.19607	1.24224	.19899	-.02655	.00188	-.00046	-.00706	.00000
.155	54.929	12.17734	35.09973	1.22991	.20041	-.00867	.00208	-.00120	-.00746	.00000
.155	97.355	12.33051	35.14319	1.24364	.20582	.00025	.00265	-.00139	-.01564	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	-.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF321) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .178 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 321/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.17786	35.38109	.09634	.12290	.15102	.00266	.00226	.01971	.00000
.155	14.667	.13008	35.18502	.09731	.12289	.14514	.00280	.00306	.01813	.00000
.155	25.047	.07847	35.05208	.08470	.12292	.13514	.00229	-.00040	-.00237	.00000
.155	33.886	.05131	35.06728	.08726	.12275	.12901	.00193	.00032	-.00316	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF322) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.024 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 322/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	4.02415	35.08954	.57277	.11291	.05587	.00204	.00391	.02243	.00000
.155	13.366	4.18109	35.03251	.56284	.11473	.04610	.00221	.00445	.01650	.00000
.155	22.667	4.28534	35.16711	.53242	.11699	.04410	.00214	.00111	.00342	.00000
.155	38.646	4.23570	35.14235	.49850	.11812	.04621	.00232	.00033	-.00964	.00000
.155	53.794	4.25248	35.04389	.48602	.11906	.05194	.00212	.00006	-.01200	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF323) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.135 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 323/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13519	35.29264	.81775	.12195	-.00928	.00152	.00569	.02415	.00000
.155	13.628	6.10571	35.12939	.77839	.12277	-.00344	.00137	.00509	.02473	.00000
.155	22.471	6.24950	34.99736	.73630	.12685	-.00279	.00202	.00064	.00402	.00000
.155	38.318	6.22119	35.17953	.69621	.12827	.01250	.00267	-.00985	-.01033	.00000
.155	54.166	6.25010	35.13288	.69340	.12887	.01637	.00243	.00006	-.00376	.00000
.155	64.516	6.17700	35.19510	.66524	.12974	.02275	.00284	-.00046	-.01039	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS40205.3.5 (RJF324) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.152 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 324/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.15200	35.19166	1.04420	.14023	-.09086	.00075	.00615	.02529	.00000
.155	12.780	8.12563	35.04359	1.01266	.14077	-.08441	.00057	.00494	.02566	.00000
.155	22.542	8.08907	34.99744	.92804	.14331	-.05842	.00179	.00165	.01135	.00000
.155	38.301	8.20391	35.15937	.89679	.14623	-.03252	.00214	-.00136	-.00253	.00000
.155	53.708	8.23388	35.20230	.88944	.14744	-.02406	.00243	-.00199	-.01110	.00000
.155	74.871	8.18993	35.11048	.87409	.14757	-.01704	.00299	-.00107	-.01289	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS40205.3.5 (RJF325) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.053 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 325/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.05250	35.14719	1.23902	.16358	-.17879	.00005	.00677	.02937	.00000
.155	12.746	10.11646	35.08619	1.22462	.16589	-.16811	-.00027	.00633	.02910	.00000
.155	21.606	10.09369	35.00163	1.13030	.16936	-.11607	.00024	.00233	.01649	.00000
.155	37.774	10.23441	35.24942	1.09089	.17402	-.07745	.00209	-.00028	-.00537	.00000
.155	53.100	10.22758	35.19614	1.08157	.17417	-.06317	.00241	-.00091	-.00880	.00000
.155	84.833	10.19662	35.23160	1.06552	.17527	-.05168	.00249	-.00130	-.01114	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF326) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.123	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 326/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.277	12.12346	34.99558	1.36380	.19943	-.21287	-.00093	.00320	.02091	.00000
.154	22.492	12.09555	34.72360	1.33489	.20004	-.19323	-.00007	.00438	.01402	.00000
.155	38.565	12.08969	35.17457	1.27069	.20418	-.12525	00154	.00083	-.00329	.00000
.155	55.053	12.19217	35.22884	1.26537	.20714	-.10356	00228	-.00004	-.00977	.00000
.155	97.378	12.21157	35.13387	1.24882	.21009	-.08723	.00241	-.00173	-.01167	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF327) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.195	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 327/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.19512	35.28689	.12639	.12315	.06947	.00281	.00285	.01205	.00000
.155	14.550	.14733	35.15519	.11887	.12371	.06265	.00267	.00131	.01336	.00000
.155	24.995	.09003	35.03149	.10161	.12423	.05266	.00217	.00037	.00750	.00000
.155	34.013	.16034	35.09980	.11145	.12343	.04427	.00197	-.00035	-.00320	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF328) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 3.963 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 328/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	3.96339	35.16800	.59188	.11473	-.02741	.00183	.00376	.01827	.00000
.155	13.743	4.12045	35.04800	.58402	.11654	-.03562	.00187	.00343	.01301	.00000
.155	22.427	4.08957	35.06704	.53398	.11855	-.03676	.00178	.00146	.00656	.00000
.155	38.597	4.20561	35.08124	.51806	.12048	-.03225	.00203	.00076	-.00522	.00000
.155	53.560	4.11782	35.16998	.49991	.12070	-.02942	.00247	-.00012	-.01088	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF329) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.133 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 329/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13334	35.11193	.84562	.12437	-.10206	.00089	.00515	.02726	.00000
.155	13.515	6.09247	35.03648	.80884	.12597	-.09639	.00132	.00358	.01601	.00000
.155	22.604	6.18878	35.08343	.76107	.12898	-.08766	.00201	.00125	.00860	.00000
.155	38.382	6.14914	35.14523	.70608	.13140	-.07192	.00252	-.00143	-.01060	.00000
.155	54.285	6.12481	35.17659	.70205	.13133	-.06575	.00277	-.00049	-.00811	.00000
.155	64.677	6.20579	35.32099	.69766	.13249	-.06208	.00286	-.00106	-.01035	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF330) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.150 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 330/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.15023	35.02695	1.07176	.14418	-.18907	.00020	.00645	.03293	.00000
.155	13.151	8.11835	35.24908	1.03570	.14502	-.17925	.00044	.00560	.02912	.00000
.155	22.612	8.16050	35.10991	.95499	.14812	-.14846	.00122	.00168	.00631	.00000
.155	38.681	8.15136	35.27843	.91859	.15000	-.12157	.00185	.00050	-.00058	.00000
.155	54.056	8.11055	35.14275	.89817	.15081	-.10731	.00245	-.00081	-.00960	.00000
.155	74.971	8.14313	35.16946	.88417	.15140	-.10348	.00250	-.00151	-.00998	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF331) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.074 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 331/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.07373	35.28067	1.26506	.16917	-.28367	-.00037	.00540	.02889	.00000
.155	14.577	10.13516	35.08975	1.22058	.17259	-.25669	-.00034	.00489	.02331	.00000
.155	21.674	10.12639	35.07071	1.16464	.17486	-.21363	.00051	.00335	.01407	.00000
.155	38.341	10.23734	35.13599	1.10374	.17953	-.16510	.00205	-.00110	-.00569	.00000
.155	53.513	10.23477	34.97327	1.09673	.18011	-.15070	.00249	-.00085	-.00877	.00000
.155	85.165	10.25600	35.32650	1.09779	.18138	-.14258	.00262	-.00146	-.01505	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF332) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.218 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 332/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.292	12.21832	35.13880	1.38794	.20900	-.30510	-.00061	.00390	.02037	.00000
.155	23.622	12.19738	35.08426	1.35729	.20854	-.28136	-.00056	.00216	.01529	.00000
.155	39.733	12.18902	34.97047	1.29595	.21276	-.21434	.00120	-.00092	-.00394	.00000
.155	55.061	12.20133	35.30307	1.28821	.21375	-.19359	.00244	-.00027	-.00862	.00000
.155	97.395	12.25684	35.04514	1.28958	.21648	-.18252	.00282	-.00070	-.01410	.00000
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF333) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .240 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 333/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.24053	35.27206	.05648	.12355	.20606	.00217	.00218	.02078	.00000
.155	15.103	.20221	35.26027	.06155	.12199	.19842	.00202	.00211	.01868	.00000
.155	25.214	.14663	35.18650	.03313	.12369	.189:3	.00147	-.00063	-.00054	.00000
.155	34.125	.07293	35.15559	.02718	.12385	.18631	.00136	-.00008	-.00663	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF334) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.003	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 334/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	4.00309	35.33287	.51806	.10872	.10855	.00163	.00562	.02567	.00000
.155	14.557	3.97173	35.06647	.48252	.11029	.10623	.00153	.00325	.01931	.00000
.154	22.359	4.09891	34.95524	.46503	.11218	.09853	.00150	.00090	.00679	.00000
.154	38.543	4.18263	34.89773	.44327	.11347	.09988	.00138	.00057	-.00603	.00000
.155	53.583	4.18731	35.10336	.43607	.11397	.10523	.00103	.00008	-.00632	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF335) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.127	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 335/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12732	35.07230	.76955	.11482	.04254	.00091	.00594	.02385	.00000
.155	13.339	6.10156	35.10238	.74271	.11543	.04062	.00110	.00472	.02626	.00000
.155	22.471	6.06738	35.10455	.66931	.11796	.04630	.00134	.00163	.01197	.00000
.155	38.279	6.09237	34.98089	.63678	.12007	.06276	.00148	.00128	.00120	.00000
.155	53.295	6.19126	35.29829	.63010	.12134	.06605	.00184	-.00044	-.00773	.00000
.155	64.451	6.11846	35.23788	.61450	.12148	.07187	.00173	-.00130	-.00832	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF336) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.113 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 336/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.11352	35.23806	.98673	.2968	-.03838	-.00004	.00574	.02786	.00000
.155	12.616	8.08899	35.15623	.96709	.2969	-.03674	-.00011	.00582	.02946	.00000
.154	22.215	8.18005	34.93882	.89512	.3411	-.01717	.00109	.00261	.01651	.00000
.154	37.931	8.15214	34.78134	.83721	.3586	.00887	.00119	.00007	.00139	.00000
.155	53.548	8.20453	35.01056	.83762	.3690	.01965	.00167	-.00031	-.00596	.00000
.155	74.661	8.24969	35.17758	.83423	.3800	.02448	.00152	-.00043	-.00495	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF337) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.121 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 337/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.12143	35.01812	1.21191	.5043	-.13699	-.00096	.00625	.03192	.00000
.154	12.922	10.08951	34.92507	1.18183	.5075	-.12603	-.00080	.00626	.03181	.00000
.154	21.452	10.20475	34.75730	1.10445	.5765	-.08217	.00069	.00307	.01245	.00000
.154	38.079	10.19305	34 59730	1.04093	.6015	-.04005	.00131	.00039	.00042	.00000
.155	53.295	10.19117	34.99207	1.03040	.6051	-.02504	.00135	-.00157	-.00877	.00000
.155	85.091	10.14526	35.04719	1.02310	.6087	-.01398	.00188	-.00069	-.01150	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF338) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.123	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 338/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.258	12.12296	35.44764	1.31273	.18393	-.17458	-.00055	.00391	.01972	.00000
.155	23.614	12.15787	35.31961	1.28732	.18626	-.15205	-.00010	.00283	.01406	.00000
.155	39.637	12.15034	35.16331	1.22777	.18959	-.08779	.00115	.00036	-.00072	.00000
.155	55.008	12.23875	35.10592	1.22318	.19182	-.07047	.00165	.00036	-.00493	.00000
.155	97.366	12.26152	35.07855	1.21399	.19435	-.05518	.00188	-.00141	-.00774	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF339) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.132	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 339/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.13212	35.30294	.08283	.12288	.11866	.00246	.00423	.02506	.00000
.155	14.565	.08803	35.21789	.07097	.12327	.11067	.00187	.00077	.01914	.00000
.155	24.812	.10472	35.04601	.06223	.12346	.09959	.00186	-.00014	.00208	.00000
.155	33.755	.17438	35.00321	.06198	.12199	.09481	.00151	.00038	-.00396	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF340) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.180 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 340/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.18011	35.40238	.56477	.11057	.01045	.00156	.00483	.02885	.00000
.155	14.259	4.14702	35.24398	.53800	.11171	.00708	.00181	.00417	.02025	.00000
.155	23.404	4.11650	35.08531	.49020	.11331	.00519	.00153	.00072	.00797	.00000
.155	39.720	4.17102	34.99416	.46523	.11525	.00554	.00127	-.00042	-.00316	.00000
.154	54.632	4.20295	34.90297	.46561	.11334	.01084	.00164	-.00004	-.00606	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF341) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.149 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 341/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14864	35.29222	.79457	.11788	-.06018	.00082	.00641	.02830	.00000
.155	13.851	6.11528	35.12676	.76589	.11864	-.05880	.00117	.00484	.02342	.00000
.154	22.607	6.08538	34.93244	.69748	.12115	-.04721	.00118	.00176	.01018	.00000
.154	38.494	6.18065	34.79290	.66906	.12340	-.03699	.00164	.00094	-.00177	.00000
.155	54.355	6.14748	35.25886	.65290	.12387	-.02820	.00154	-.00056	-.00252	.00000
.155	64.807	6.23834	35.12516	.66544	.12467	-.02739	.00217	.00160	-.00132	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF342) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.123 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 342/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.12329	35.11957	1.02097	.13291	-.14657	-.00019	.00588	.03304	.00000
.155	12.975	8.09506	35.04175	.99008	.13348	-.14070	.00018	.00568	.02974	.00000
.154	22.445	8.06412	34.94148	.90982	.13688	-.11199	.00121	.00213	.01427	.00000
.155	38.231	8.18405	35.04144	.87305	.13971	-.08997	.00141	.00060	.00510	.00000
.155	53.776	8.16350	35.08645	.85303	.14074	-.07481	.00145	-.00039	-.00279	.00000
.155	74.874	8.16167	35.03819	.85391	.14078	-.07222	.00159	-.00067	-.00709	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF343) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.116 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 343/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.11578	35.17556	1.22704	.15488	-.24083	-.00092	.00749	.03562	.00000
.155	12.950	10.08391	35.12741	1.20769	.15548	-.23243	-.00052	.00583	.02553	.00000
.155	21.648	10.21666	35.01036	1.12250	.16281	-.18327	-.00001	.00178	.01923	.00000
.154	38.174	10.20953	34.80795	1.07579	.16554	-.13971	.00137	.00018	-.00252	.00000
.155	53.425	10.20019	35.32300	1.05648	.16606	-.12514	.00189	.00140	-.00605	.00000
.155	85.120	10.19593	35.14283	1.05127	.16672	-.11509	.00177	-.00088	-.00926	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF344) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.139 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 344/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.268	12.13869	35.18148	1.34028	.18986	-.27376	-.00054	.00359	.01988	.00000
.155	23.603	12.10983	35.10103	1.30298	.19094	-.24833	-.00053	.00105	.01649	.00000
.155	39.983	12.17103	35.02808	1.26160	.19524	-.18834	.00116	-.00052	-.00402	.00000
.154	55.032	12.17776	34.78615	1.23646	.19657	-.16442	.00144	-.00126	-.00667	.00000
.154	97.313	12.21185	34.58338	1.23598	.19902	-.15441	.00195	.00002	-.00830	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF345) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .142 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 345/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.14171	35.21705	.10232	.12391	.02795	.00211	.00240	.01817	.00000
.155	14.600	.08623	35.23375	.08800	.12417	.02003	.00232	.00285	.01625	.00000
.155	24.925	.04027	35.02961	.07981	.12399	.00871	.00195	-.00008	.00643	.00000
.154	33.872	.09123	34.95024	.08724	.12368	.00502	.00148	-.00016	-.00407	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF346) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.102	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 346/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.10222	35.01075	.58648	.11294	-.08450	.00146	.00468	.01771	.00000
.154	14.096	4.07092	34.91595	.55032	.11393	-.08854	.00160	.00352	.02015	.00000
.155	23.197	4.04424	35.03660	.51167	.11652	-.08674	.00151	.00225	.01090	.00000
.154	39.486	4.18472	34.58845	.48707	.11825	-.08251	.00143	-.00021	-.00186	.00000
.155	54.363	4.10692	35.09579	.49342	.11764	-.08286	.00158	.00109	-.00742	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF347) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.145	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 347/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14489	35.33899	.82615	.12130	-.16107	.00052	.00535	.02596	.00000
.155	13.882	6.11351	35.12855	.78721	.12206	-.15676	.00086	.00425	.02435	.00000
.155	22.657	6.24802	34.97982	.74534	.12570	-.14799	.00153	.00067	.00813	.00000
.154	38.803	6.21636	34.85456	.71219	.12693	-.13507	.00186	.00116	-.00127	.00000
.155	54.562	6.17381	35.39514	.68116	.12802	-.12207	.00180	-.00011	-.00407	.00000
.156	64.870	6.24938	35.55249	.68895	.12888	-.12182	.00167	-.00134	-.00761	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF348) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.104 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 348/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.10431	35.37829	1.05000	.13801	-.25107	-.00030	.00731	.03163	.00000
.155	12.803	8.07025	35.09504	1.01929	.13778	-.24306	-.00002	.00635	.03020	.00000
.154	22.643	8.05670	34.96759	.93032	.14192	-.21072	.00112	.00223	.01238	.00000
.154	38.479	8.18707	34.79797	.90217	.14425	-.18590	.00126	.00026	-.00011	.00000
.155	53.912	8.16517	35.17866	.88524	.14482	-.17368	.00134	-.00022	-.00351	.00000
.155	74.993	8.11336	35.26751	.86957	.14501	-.16515	.00127	-.00196	-.00756	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF349) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.197 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 349/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.19656	35.21466	1.26608	.16224	-.34649	-.00052	.00653	.03143	.00000
.155	13.837	10.16151	35.23709	1.23327	.16450	-.32808	-.00094	.00516	.02849	.00000
.155	22.156	10.14136	35.10385	1.14581	.16789	-.28097	.00037	.00268	.01460	.00000
.155	38.727	10.13204	35.03113	1.08697	.17096	-.23238	.00120	-.00017	-.00257	.00000
.154	54.015	10.19469	34.95652	1.08306	.17261	-.21786	.00105	-.00197	-.00656	.00000
.154	85.777	10.16716	34.74450	1.07769	.17311	-.20861	.00171	-.00123	-.00944	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF350) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.193	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 350/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.277	12.19313	34.88476	1.36954	.19795	-.36734	-.00032	.00402	.01834	.00000
.155	23.255	12.16973	35.02855	1.33937	.19661	-.34738	-.00037	.00297	.01660	.00000
.154	39.682	12.16124	34.82804	1.27745	.20269	-.28357	.00087	-.00035	-.00290	.00000
.155	55.026	12.11712	35.15437	1.26272	.20348	-.26265	.00124	-.00111	-.00530	.00000
.154	97.362	12.24856	34.91956	1.26884	.20655	-.25340	.00172	-.00129	-.01057	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF351) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.239	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 351/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.23892	35.13641	.13209	.11986	-.02254	.00237	.00399	.02215	.00000
.155	15.583	.19121	35.27761	.12027	.11974	-.02684	.00212	.00263	.01918	.00000
.155	25.959	.14231	35.20233	.10159	.12080	-.03453	.00100	.00006	.00198	.00000
.155	34.821	.06902	35.09358	.08964	.12109	-.03502	.00033	-.00100	-.00402	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF352) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.108 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 352/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.10819	35.38497	.56600	.10704	-.02324	.00203	.00564	.02099	.00000
.155	15.349	4.07318	35.02428	.53439	.10856	-.03215	.00165	.00368	.01369	.00000
.155	23.753	4.07012	35.01822	.50559	.11115	-.04483	.00085	.00169	.00615	.00000
.154	39.724	4.13155	34.83046	.47622	.11328	-.04506	-.00037	-.00035	-.00675	.00000
.155	54.741	4.10449	35.06576	.47484	.11333	-.04444	-.00019	.00083	-.00610	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF353) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.177 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 353/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.17723	35.22797	.78706	.11364	-.02050	.00164	.00486	.02308	.00000
.155	14.249	6.13824	35.10683	.74605	.11567	-.02907	.00146	.00498	.01563	.00000
.155	23.106	6.11079	35.01854	.69948	.11821	-.04308	.00097	.00197	.01073	.00000
.154	38.869	6.20999	34.84969	.67761	.12172	-.04682	-.00028	-.00092	-.00350	.00000
.155	54.808	6.17309	35.00163	.65017	.12199	-.04405	.00014	.00052	-.00493	.00000
.155	65.264	6.27904	35.01033	.66736	.12295	-.04437	-.00001	.00092	-.00779	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F1OTS402G5.3.5 (RJF354) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.175 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 354/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.17491	34.82793	1.00025	.12590	-.01061	.00184	.00726	.02985	.00000
.155	13.841	8.14332	35.14114	.97581	.12686	-.01994	.00128	.00463	.02100	.00000
.155	23.141	8.10524	35.10707	.88874	.13118	-.04346	.00084	.00301	.01032	.00000
.155	39.064	8.20595	35.17678	.86353	.13546	-.04656	.00033	.00226	-.00166	.00000
.155	54.512	8.17970	35.22755	.84901	.13608	-.04663	.00029	.00124	-.00223	.00000
.155	75.653	8.20620	35.13621	.84471	.13733	-.04332	-.00033	-.00060	-.00740	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F1OTS402G5.3.5 (RJF355) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.215 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 355/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.326	10.21554	35.09656	1.18131	.14489	-.00831	.00117	.00751	.02724	.00000
.155	14.746	10.17320	35.16715	1.14220	.14724	-.02294	.00116	.00682	.02149	.00000
.155	22.585	10.14945	35.02009	1.08566	.15200	-.03497	.00072	.00375	.01040	.00000
.154	38.903	10.12327	34.77791	1.03050	.15704	-.04278	-.00008	.00005	-.00118	.00000
.154	54.446	10.25796	34.68373	1.02439	.16012	-.03924	-.00010	-.00021	-.00448	.00000
.155	86.043	10.25964	35.17687	1.03423	.16157	-.03947	-.00032	-.00101	-.00675	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7 F10TS402G5.3.5 (RJF356) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.152 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 356/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.248	12.15178	35.71228	1.28678	.17524	-.03376	-.00016	.00269	.01918	.00000
.155	23.454	12.11677	35.04432	1.25493	.17711	-.03436	.00065	.00465	.01593	.00000
.154	39.611	12.21019	34.87890	1.23320	.18450	-.03542	.00018	.00113	-.00037	.00000
.154	54.986	12.20125	34.73462	1.20600	.18714	-.03748	.00009	-.00009	-.00642	.00000
.154	97.349	12.22809	34.94830	1.20892	.19019	-.03719	-.00042	-.00156	-.01022	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF357) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .223 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 357/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.22295	35.21410	-.05213	.13289	.65118	.00243	.00352	.01994	.00000
.155	14.924	.17855	35.23069	-.06663	.13331	.64345	.00225	.00234	.01927	.00000
.155	24.710	.12577	35.02086	-.08943	.13420	.63538	.00218	.00125	-.00006	.00000
.154	33.679	.05099	34.98216	-.09517	.13444	.63180	.00195	.00125	-.00541	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF358) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 3.987 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 358/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.330	3.98720	35.16677	.39421	.11265	.58991	.00191	.00323	.01607	.00000
.155	13.142	3.99356	35.16712	.37517	.11209	.58438	.00198	.00388	.01418	.00000
.155	21.921	4.11509	35.03876	.33235	.11589	.57049	.00189	.00134	.00560	.00000
.154	38.125	4.16751	34.93078	.31823	.11625	.56449	.00158	.00061	-.00634	.00000
.154	53.027	4.16005	34.79987	.30057	.11675	.56759	.00147	.00091	-.01059	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF359) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.129 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 359/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12857	35.27591	.64161	.11539	.54562	.00149	.00498	.02155	.00000
.155	12.896	6.09878	35.16560	.61003	.11650	.54359	.00188	.00559	.01860	.00000
.155	21.755	6.17578	35.07950	.54624	.11955	.53219	.00174	.00291	.00775	.00000
.154	37.626	6.14145	34.91195	.51993	.12039	.53575	.00168	.00035	-.00819	.00000
.154	53.457	6.21640	34.88288	.51002	.12097	.53761	.00216	.00095	-.01103	.00000
.154	63.858	6.15146	34.98530	.50205	.12084	.53873	.00214	.00047	-.01129	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF360) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.220 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 360/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.21994	35.26997	.86062	.12874	.50788	.00128	.00469	.02505	.00000
.155	12.974	8.18984	35.29226	.83245	.12924	.50365	.00141	.00524	.02096	.00000
.155	22.301	8.16166	35.20693	.76059	.13075	.49599	.00196	.00288	01031	.00000
.154	38.031	8.12407	34.96881	.70822	.13256	.50275	.00218	.00061	-.00663	.00000
.155	53.756	8.09124	35.01959	.69074	.13313	.50950	.00202	.00011	-.00700	.00000
.155	74.697	8.13433	35.22105	.69595	.13276	.50907	.00245	-.00081	-.01344	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF361) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.205 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 361/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.326	10.20528	35.12334	1.06038	.14690	.45337	.00018	.00625	.02274	.00000
.155	15.341	10.18049	35.05292	1.01548	.14913	.45152	-.00001	.00488	.02087	.00000
.154	21.505	10.16489	34.97478	.96111	.15077	.46155	00107	.00309	.01057	.00000
.154	38.186	10.14547	34.89656	.90432	.15265	.47306	00166	.00059	-.00227	.00000
.155	53.337	10.17747	35.00366	.89067	.15390	.48470	00174	-.00046	-.01112	.00000
.155	85.145	10.16112	35.00372	.88221	.15396	.48874	.00202	.00010	-.01302	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF362) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 362/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.183	12.13695	35.28359	1.17578	.17443	.39570	-.00050	.00445	.02058	.00000
.155	24.023	12.10808	35.23976	1.13913	.17506	.41155	.00028	.00217	.00918	.00000
.155	39.500	12.14851	35.01169	1.09038	.17974	.44137	.00132	.00111	-.00395	.00000
.154	55.045	12.14895	34.84281	1.07434	.18006	.45665	.00158	-.00072	-.01323	.00000
.155	97.254	12.25170	35.19672	1.08095	.18269	.46544	.00227	-.00024	-.01269	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF364) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP =	44.000

RUN NO. 364/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	2.229	.00000	35.22539	.25072	.09855	.10184	.00072	-.00036	-.01398
.155	3.220	.00000	35.02698	.35426	.09732	.07774	.00098	.00044	-.01036
.155	4.278	.00000	35.04401	.45722	.09836	.05980	.00076	-.00089	-.01394
.155	6.264	.00000	35.37362	.64856	.10657	.02110	.00111	.00006	-.01202
.155	8.362	.00000	35.12715	.86138	.12117	-.03587	.00092	-.00149	-.00928
	GRADIENT	.00000	-.08735	.10074	-.00008	-.02048	.00002	-.00027	-.00002

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5 (RJF365) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP =	54.000

RUN NO. 365/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	4.268	.00000	35.23638	.45126	.09891	.05672	.00059	-.00087	-.01081
.155	6.229	.00000	35.04847	.64694	.10586	.01804	.00119	.00111	-.00860
.155	8.229	.00000	35.13105	.84482	.12033	-.03032	.00105	-.00009	-.00986
.155	10.329	.00000	35.26875	1.03621	.14364	-.07502	.00087	-.00060	-.01077
.155	12.355	.00000	35.35460	1.22066	.17166	-.12266	.00114	-.00108	-.01169
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5 (RJF366) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.390
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP =	44.000

RUN NO. 356/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.186	2.177	.00000	50.24765	.25864	.10141	.09499	.00117	.00254	-.00645
.186	3.221	.00000	50.47579	.36604	.10034	.07581	.00084	.00031	-.01072
.186	4.258	.00000	50.26923	.46962	.10120	.05611	.00099	.00059	-.00882
.185	6.282	.00000	49.81036	.66479	.10823	.01216	.00120	.00108	-.00590
.186	8.311	.00000	50.13392	.86460	.12249	-.03912	.00090	-.00045	-.00585
	GRADIENT	.00000	.01060	.10139	-.00010	-.01868	-.00009	-.00094	-.00114

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5 (RJF367) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.390
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP =	54.000

RUN NO. 367/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.186	4.252	.00000	50.25506	.46774	.10073	.05934	.00164	.00264	-.00567
.186	6.288	.00000	50.39586	.66630	.10772	.01685	.00144	.00127	-.00709
.186	8.348	.00000	50.20541	.87775	.12217	-.03513	.00144	.00150	-.00486
.186	10.322	.00000	50.26782	1.05871	.14506	-.07760	.00120	-.00122	-.01125
.186	12.438	.00000	50.22425	1.24543	.17151	-.13307	.00118	-.00041	-.00961
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5 (RJF368) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.430
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP =	44.000

RUN NO. 368/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.204	2.213	.00000	60.22349	.26362	.09986	.09640	.00115	.00103	-.00734
.204	3.238	.00000	60.45488	.36853	.09852	.07508	.00130	.00141	-.00732
.204	4.307	.00000	60.22012	.47914	.09915	.05509	.00118	.00058	-.00666
.204	6.257	.00000	60.34508	.66641	.10648	.01384	.00148	.00104	-.00393
.204	8.337	.00000	60.40664	.87838	.11936	-.03988	.00108	-.00081	-.00745
	GRADIENT	.00000	-.00316	.10293	-.00033	-.01972	.00001	-.00022	.00033

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5 (RJF369) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.430
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700	GP - =	54.000

RUN NO. 369/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.204	4.239	.00000	60.19713	.46914	.09957	.05955	.00135	.00073	-.00970
.204	6.310	.00000	60.24327	.66933	.10610	.01673	.00165	.00176	-.00663
.204	8.361	.00000	60.03724	.86317	.12124	-.03144	.00111	- 00051	-.00690
.204	10.342	.00000	60.39382	1.06605	.14189	-.08104	.00147	.00093	-.00663
.204	12.403	.00000	60.32885	1.26108	.17102	-.13548	.00126	-.00034	-.00876
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40165.3.5 (RJF373) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 373/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.254	.00000	35.14399	.28058	.11823	.12284	.00180	.00124	-.00858
.155	2.245	.00000	35.12032	.50150	.11704	.08223	.00109	.00057	-.01599
.155	4.325	.00000	35.19013	.70908	.12428	.04860	.00142	.00032	-.01462
.155	6.280	.00000	35.18271	.89370	.13865	.01654	.00179	-.00008	-.01249
.155	8.375	.00000	35.24955	1.10544	.15929	-.02561	.00161	-.00080	-.01131
.155	10.377	.00000	35.06619	1.29270	.18552	-.06192	.00228	-.00058	-.01203
.155	12.484	.00000	35 24913	1.47221	.22025	-.11161	.00202	-.00187	-.01221
.156	14.471	.00000	35.40319	1.66129	.25422	-.17737	.00215	.00050	-.01097
.155	16.581	.00000	35.08266	1.82239	.29658	-.21191	.00147	.00009	-.00714
.155	18.442	.00000	35.18513	1.90989	.34065	-.21550	.00151	-.00011	-.01066
	GRADIENT	.00000	.01150	.10522	.00150	-.01322	-.00009	-.00023	-.00147

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF374) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.187	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 374/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.18721	35.45882	.05761	.11821	.19990	.00221	.00354	.02402	.00000
.155	12.354	.14876	35.43850	.05210	.11986	.19487	.00198	.00205	.02426	.00000
.155	14.764	.13270	35.19708	.04406	.12128	.19480	.00205	.00113	.01771	.00000
.155	20.253	.10437	35.16854	.03462	.12292	.18826	.00216	.00083	.00818	.00000
.154	24.870	.16164	35.14323	.04217	.12263	.18459	.00161	-.00057	.00019	.00000
.155	28.200	.13551	35.17858	.03135	.12367	.18637	.00171	.00021	.00259	.00000
.154	33 706	.13560	35.15864	.04468	.12228	.17716	.00157	.00008	.00258	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF375) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.094	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 375/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.09424	35.14886	.50988	.10585	.09770	.00157	.00533	.03289	.00000
.154	13.575	4.11606	35.09338	.48688	.10881	.09576	.00148	.00225	.02097	.00000
.154	18.955	4.10654	35.13116	.47913	.11059	.09323	.00148	.00291	.01601	.00000
.154	22.859	4.12871	35.04886	.45369	.11257	.09710	.00136	.00135	.00784	.00000
.155	26.997	4.11917	35.29444	.45227	.11276	.09651	.00151	.00012	.00207	.00000
.155	38.988	4.16040	35.19976	.44325	.11381	.10018	.00138	.00056	-.00298	.00000
.155	53.925	4.19178	35.16762	.44336	.11412	.10141	.00132	.00042	-.00927	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF376) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.154 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 376/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.15392	35.09331	.72744	.11328	.03568	.00105	.00567	.02611	.00000
.154	13.441	6.12049	35.06990	.70864	.11584	.03698	.00105	.00415	.02427	.00000
.154	18.881	6.11154	35.12046	.68595	.11842	.04509	.00123	.00205	.01796	.00000
.155	22.548	6.09820	35.29627	.67126	.11928	.04569	.00120	.00166	.01139	.00000
.155	26.630	6.12904	35.21975	.65580	.12046	.04900	.00143	.00177	.00935	.00000
.154	38.416	6.18765	35.10185	.64412	.12176	.06441	.00119	.00032	-.00386	.00000
.154	54.097	6.14290	35.14961	.64121	.12124	.06669	.00154	.00115	-.00661	.00000
.155	64.532	6.20736	35.18034	.63071	.12327	.07125	.00144	-.00024	-.00831	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF377) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.131 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 377/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.13055	35.19267	.93385	.12671	-.04282	.00025	.00636	.02863	.00000
.155	12.708	8.10990	35.19987	.93141	.12905	-.03841	.00020	.00662	.03180	.00000
.155	18.315	8.14700	35.19232	.90435	.13378	-.02135	.00090	.00472	.02468	.00000
.155	22.092	8.14017	35.20027	.87909	.13499	-.01072	.00036	.00122	.01974	.00000
.154	26.092	8.13370	35.07348	.87149	.13602	-.00375	.00132	.00222	.01305	.00000
.154	38.069	8.11989	35.15449	.83999	.13675	.01477	.00132	.00057	-.00455	.00000
.154	53.554	8.16845	35.14038	.84177	.13809	.02510	.00134	.00047	-.00458	.00000
.155	74.725	8.20010	35.20848	.83453	.13907	.03217	.00130	-.00056	-.00612	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF378) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 378/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.14611	34.99931	1.14118	.14744	-.13294	-.00132	.00954	.04218	.00000
.155	12.940	10.11614	35.19281	1.13100	.15217	-.12393	-.00119	.00688	.03770	.00000
.155	18.127	10.10990	35.21166	1.10431	.15727	-.09394	-.00016	.00535	.02764	.00000
.154	21.846	10.10513	35.14441	1.08122	.15755	-.07913	.00005	.00268	.01911	.00000
.154	25.609	10.11813	34.98085	1.06702	.15950	-.05963	.00075	.00358	.01852	.00000
.155	38.202	10.13770	35.35109	1.03872	.16140	-.03638	.00088	-.00120	.00269	.00000
.155	53.606	10.20543	35.18226	1.03893	.16298	-.02294	.00171	-.00049	-.00415	.00000
.155	85.249	10.20976	35.30067	1.03174	.16492	-.01279	.00185	-.00039	-.00825	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF379) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.167	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 379/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.250	12.16723	35.37863	1.30036	.18602	-.17367	-.00122	.00514	.03018	.00000
.155	23.571	12.14816	35.23119	1.28612	.18752	-.14841	-.00100	.00340	.02116	.00000
.155	27.045	12.14952	35.23154	1.26475	.18857	-.13213	-.00013	.00354	.01497	.00000
.154	39.572	12.14431	35.06583	1.23192	.19086	-.09057	.00042	-.00060	.00053	.00000
.155	55.028	12.17858	35.32831	1.21544	.19332	-.06697	.00113	-.00107	-.00584	.00000
.155	97.357	12.26830	35.36361	1.22267	.19722	-.05851	.00165	-.00053	-.00650	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF380) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .132 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 380/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.13217	35.28816	.09608	.12041	.02475	.00171	.00301	.03137	.00000
.155	14.679	.15103	35.22034	.09934	.12277	.01537	.00197	.00146	.01937	.00000
.154	20.164	.12191	35.07085	.08166	.12493	.01147	.00181	.00036	.01042	.00000
.155	24.765	.12985	35.33976	.08838	.12472	.00758	.00179	.00187	.00598	.00000
.155	28.122	.14399	35.25845	.08709	.12487	-.00052	.00155	.00066	.00119	.00000
.154	33.621	.14981	35.15302	.08761	.12520	.00185	.00131	-.00066	-.00263	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF381) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.129 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 381/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.12865	35.11638	.55820	.11021	-.09440	.00131	.00505	.02387	.00000
.154	13.977	4.09937	35.01189	.54190	.11342	-.09347	.00114	.00442	.02662	.00000
.155	19.356	4.09787	35.23534	.51776	.11681	-.09588	.00124	.00170	.01469	.00000
.154	23.250	4.12593	35.12479	.50436	.11774	-.08942	.00144	.00146	.00833	.00000
.155	27.385	4.11645	35.17525	.49798	.11806	-.09207	.00122	.00003	.00651	.00000
.155	39.384	4.15853	35.35572	.50083	.11860	-.08820	.00133	.00047	-.00563	.00000
.154	54.325	4.19844	35.10475	.49871	.11954	-.08681	.00149	.00239	-.00368	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF382) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.149	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 382/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14849	35.25693	.77628	.11979	-.16375	.00036	.00596	.02858	.00000
.154	13.492	6.12462	35.01905	.76400	.12181	-.16267	.00043	.00407	.02777	.00000
.155	18.954	6.10629	35.17367	.72865	.12589	-.14799	.00081	.00320	.01774	.00000
.154	22.615	6.10076	35.10226	.71859	.12611	-.14532	.00078	.00040	.01116	.00000
.154	26.722	6.16822	35.02204	.71962	.12683	-.14038	.00091	.00114	.00745	.00000
.154	38.489	6.14156	35.05284	.69948	.12821	-.13214	.00094	-.00051	-.00288	.00000
.155	54.145	6.16750	35.34462	.67835	.12940	-.12211	.00109	-.00003	-.00372	.00000
.155	64.628	6.18217	35.18838	.68638	.12967	-.11924	.00120	-.00063	-.01124	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF383) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.171	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 383/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17094	35.23395	.99603	.13626	-.24401	-.00112	.00790	.04413	.00000
.155	13.092	8.13907	35.20306	.98420	.13928	-.24006	.00006	.00534	.03065	.00000
.155	18.699	8.13075	35.28635	.94456	.14317	-.21854	.00014	.00366	.02338	.00000
.154	22.464	8.12987	35.11007	.93584	.14387	-.20777	.00059	.00228	.01866	.00000
.154	26.495	8.12144	35.13293	.91277	.14461	-.19954	.00057	.00033	.00719	.00000
.155	38.456	8.15068	35.30110	.90033	.14574	-.18334	.00087	-.00040	.00268	.00000
.155	53.925	8.17316	35.18253	.89281	.14705	-.17214	.00144	.00092	-.00291	.00000
.155	75.117	8.19188	35.17501	.89464	.14797	-.16597	.00151	-.00024	-.00655	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF384) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.148 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 384/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.14829	35.10733	1.18853	.16000	-.33177	-.00101	.00867	.03702	.00000
.155	13.105	10.12232	35.38370	1.19118	.16328	-.32685	-.00107	.00750	.04042	.00000
.154	18.290	10.11833	35.12580	1.18012	.16807	-.29441	-.00054	.00494	.02689	.00000
.154	22.022	10.11183	35.10904	1.14092	.16929	-.27594	-.00090	.00365	.02509	.00000
.155	25.759	10.10547	35.22094	1.10474	.17126	-.25805	-.00004	.00276	.01726	.00000
.154	38.351	10.19946	34.84257	1.11593	.17513	-.23456	.00048	-.00043	.00034	.00000
.154	53.778	10.19088	34.92436	1.09394	.17669	-.21750	.00120	-.00065	-.00190	.00000
.155	85.438	10.24705	35.40508	1.09832	.17768	-.21103	.00163	-.00111	-.00912	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5 (RJF385) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.178 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000

RUN NO. 385/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	20.291	12.17746	36.04938	1.35076	.20007	-.36877	-.00126	.00413	.02978	.00000
.154	23.611	12.15460	34.99043	1.33233	.20194	-.34188	-.00092	.00439	.02414	.00000
.155	27.079	12.15230	35.24144	1.31550	.20249	-.32644	-.00066	.00250	.01587	.00000
.154	39.608	12.15169	34.88761	1.28741	.20512	-.28480	.00024	-.00078	.00495	.00000
.155	55.074	12.16020	35.39067	1.27524	.20626	-.26573	.00123	-.00072	-.00731	.00000
.155	97.399	12.25266	35.16795	1.27005	.21021	-.25359	.00130	-.00097	-.00755	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF386) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .144 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 386/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.14353	35.21484	.07961	.10389	.06365	.00208	.00320	.01970	.00000
.154	14.722	.09564	35.14953	.06963	.10715	.05716	.00235	.00163	.00963	.00000
.155	24.829	.12218	35.34690	.07702	.10778	.04605	.00219	.00011	.00167	.00000
.155	33.696	.18425	35.27399	.07824	.10804	.04757	.00111	-.00065	-.00819	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF387) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.121 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 387/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.12099	35.19785	.53986	.09166	-.05053	.00214	.00418	.02240	.00000
.154	13.868	4.09542	35.15114	.52252	.09508	-.04928	.00221	.00497	.02268	.00000
.154	23.148	4.16197	35.05369	.50787	.09801	-.04965	.00160	.00085	.00713	.00000
.154	39.261	4.11593	35.09332	.48185	.09975	-.04041	.00114	.00071	-.00780	.00000
.155	54.217	4.17278	35.19319	.48070	.10056	-.03799	.00117	.00103	-.00760	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF388) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.127	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 388/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12745	35.19037	.76281	.09886	-.12287	.00180	.00543	.02434	.00000
.155	13.497	6.09595	35.19112	.74829	.10152	-.11865	.00185	.00557	.02847	.00000
.155	22.612	6.09854	35.19196	.70686	.10584	-.10146	.00174	.00177	.00987	.00000
.153	38.483	6.12568	34.70352	.68097	.10834	-.08372	.00105	-.00046	-.00400	.00000
.154	54.171	6.18600	35.14244	.66543	.11000	-.07734	.00104	.00002	-.00791	.00000
.155	64.633	6.17586	35.20431	.67622	.10942	-.07703	.00107	-.00010	-.00996	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF389) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.161	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 389/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.16130	35.14274	.97587	.11347	-.20418	.00104	.00660	.02823	.00000
.154	13.065	8.14091	35.07464	.97357	.11550	-.20286	.00111	.00634	.01982	.00000
.154	22.424	8.12364	35.02415	.92745	.12105	-.16961	.00143	.00261	.01272	.00000
.155	38.396	8.10791	35.26842	.87989	.12370	-.13867	.00076	-.00068	-.00165	.00000
.155	53.894	8.17063	35.26296	.88015	.12515	-.13140	.00133	.00058	-.00408	.00000
.154	75.087	8.21393	35.11710	.88360	.12641	-.12520	.00124	-.00013	-.00963	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF390) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	10.166	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 390/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.327	10.16551	35.29115	1.17706	.13338	-.29201	.00001	.00886	.03805	.00000
.154	13.137	10.14338	35.06469	1.17509	.13739	-.28316	-.00019	.00558	.02637	.00000
.154	22.048	10.13464	35.05493	1.12273	.14483	-.23288	.00069	.00253	.01232	.00000
.155	38.386	10.13127	35.44163	1.07470	.14815	-.19093	.00069	-.00068	-.00080	.00000
.155	53.804	10.17853	35.21522	1.07418	.14950	-.17770	.00097	-.00111	-.00826	.00000
.154	85.462	10.20400	35.08818	1.06826	.15150	-.16815	.00148	-.00014	-.00580	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF391) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	12.170	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 391/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.263	12.16964	35.00061	1.34271	.17232	-.33040	-.00090	.00459	.02544	.00000
.155	23.593	12.14875	35.26728	1.32996	.17317	-.30704	-.00025	.00375	.01771	.00000
.155	39.611	12.14785	35.29115	1.27876	.17726	-.24849	.00056	-.00013	.00027	.00000
.154	55.065	12.15826	35.08111	1.27544	.17840	-.23128	.00072	-.00132	-.00447	.00000
.155	97.397	12.30594	35.32129	1.28031	.18256	-.22313	.00145	-.00033	-.01000	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5 (RJF392) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .128 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 392/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.12818	35.33757	.04726	.10415	.16459	.00258	.00387	.02181	.00000
.155	14.495	.09926	35.22366	.04053	.10761	.15514	.00202	.00131	.01431	.00000
.154	24.594	.13477	35.04620	.03751	.10851	.14653	.00176	.00047	.00456	.00000
.155	33.474	.14354	35.23289	.05021	.10812	.14218	.00134	-.00061	-.00427	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5 (RJF393) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.184 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 393/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.18358	35.14133	.50959	.09057	.05057	.00251	.00504	.02680	.00000
.154	14.048	4.15817	35.13185	.50325	.09310	.04939	.00239	.00467	.02450	.00000
.155	23.319	4.12932	35.18517	.46658	.09659	.05265	.00175	.00146	.00709	.00000
.155	39.457	4.16473	35.19800	.45034	.09788	.05813	.00077	-.00104	-.00575	.00000
.155	54.386	4.17892	35.27159	.44443	.09775	.06135	.00085	-.00034	-.01062	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5 (RJF394) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.118 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 394/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.11781	35.05984	.72609	.09480	-.02008	.00186	.00450	.02578	.00000
.154	13.215	6.08989	35.06043	.70883	.09726	-.01449	.00199	.00522	.02391	.00000
.154	22.340	6.14162	35.13526	.67614	.10252	-.00357	.00151	.00109	.00619	.00000
.155	38.207	6.10910	35.33966	.64321	.10407	.01312	.00085	-.00040	-.00518	.00000
.155	53.904	6.17370	35.36206	.65329	.10403	.01914	.00148	.00127	-.01043	.00000
.155	64.357	6.18871	35.19549	.64119	.10542	.02371	.00146	.00093	-.00866	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5 (RJF395) (18 JUN 76

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.182 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 395/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.18215	35.15919	.94545	.10939	-.09910	.00138	.00651	.02590	.00000
.154	13.017	8.15795	35.11652	.94698	.11216	-.09712	.00110	.00463	.02613	.00000
.154	22.392	8.14235	34.91912	.89908	.11767	-.06808	.00136	.00252	.01142	.00000
.155	38.388	8.12639	35.31543	.85678	.11960	-.04047	.00106	.00023	-.00342	.00000
.155	53.862	8.17525	35.18021	.85592	.12131	-.02998	.00122	.00030	-.00755	.00000
.155	75.038	8.18530	35.14635	.83441	.12287	-.01997	.00115	-.00062	-.00917	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.ITS7H15.6.1F10TS401G5.3.5 (RJF396) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.125 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 396/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.12509	35.06252	1.15021	.12819	-.18798	.00047	.00944	.03720	.00000
.154	12.760	10.09690	35.07911	1.14774	.13146	-.18246	-.00002	.00697	.02982	.00000
.154	21.656	10.09157	35.04853	1.10743	.13842	-.13364	.00101	.00257	.01117	.00000
.155	37.995	10.14931	35.30027	1.05566	.14305	-.09064	.00086	-.00072	-.00095	.00000
.156	53.407	10.13965	35.23336	1.03457	.14408	-.07249	.00129	-.00046	-.00926	.00000
.155	85.064	10.23534	35.18622	1.04284	.14671	-.06633	.00123	-.00019	-.00701	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.ITS7H15.6.1F10TS401G5.3.5 (RJF397) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.173 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 397/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.247	12.17312	35.00038	1.31381	.16607	-.23434	-.00072	.00235	.02639	.00000
.155	23.571	12.15612	35.29182	1.30540	.16760	-.21053	-.00089	.00328	.02553	.00000
.154	39.569	12.15271	35.08621	1.24772	.17065	-.14681	.00053	-.00069	.00498	.00000
.155	55.042	12.16629	35.34392	1.24122	.17237	-.12514	.00099	-.00055	-.00424	.00000
.154	97.364	12.28170	35.09807	1.23833	.17705	-.11599	.00174	.00043	-.00902	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF398) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .178 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 398/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.278	.17758	35.06853	.02481	.10488	.25572	.00258	.00268	.01706	.00000
.155	14.613	.13154	35.22917	.02557	.10714	.25490	.00253	.00078	.01298	.00000
.155	24.699	.16707	35.29662	.02564	.10802	.23952	.00206	.00040	.00755	.00000
.155	33.572	.12200	35.39765	.01983	.10923	.23896	.00162	.00115	-.00365	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF399) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.155 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 399/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.15502	35.22267	.49461	.08897	.15307	.00273	.00445	.02945	.00000
.155	13.827	4.12558	35.19975	.47361	.09200	.15704	.00248	.00386	.02279	.00000
.154	23.110	4.16296	34.95215	.43833	.09614	.16045	.00136	.00002	.00511	.00000
.154	39.234	4.11617	35.05364	.42225	.09700	.16239	.00076	-.00040	-.00680	.00000
.155	54.164	4.12947	35.24578	.40697	.09821	.16656	.00066	-.00093	-.01125	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF400) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.152	RN/L =	1.090		
STAB =	-4.000	ELEVTR =	.000		
IORB =	3.000	ELEVON =	.000		
BDFLAP =	-11.700				

RUN NO. 400/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.15198	35.01986	.70600	.09439	.09004	.00206	.00525	.02909	.00000
.154	13.362	6.12034	35.07988	.68719	.09773	.09187	.00212	.00486	.02461	.00000
.155	22.452	6.08990	35.19659	.63822	.10246	.10693	.00176	.00295	.01087	.00000
.154	38.344	6.10295	35.12784	.62086	.10353	.12165	.00142	.00057	-.00282	.00000
.155	53.989	6.15288	35.27016	.61117	.10455	.12571	.00102	.00000	-.00937	.00000
.155	64.481	6.19887	35.22968	.61723	.10518	.12791	.00150	.00058	-.00796	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF401) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.127	RN/L =	1.090		
STAB =	.000	ELEVTR =	.000		
IORB =	3.000	ELEVON =	.000		
BDFLAP =	-11.700				

RUN NO. 401/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.12660	35.14425	.91041	.10732	.01252	.00155	.00605	.02644	.00000
.154	12.714	8.09833	35.11721	.90986	.10961	.01483	.00168	.00621	.02550	.00000
.155	22.115	8.08221	35.28616	.86266	.11490	.04052	.00172	.00347	.01256	.00000
.155	38.069	8.14642	35.35390	.83514	.11730	.06487	.00101	-.00081	-.00093	.00000
.155	53.554	8.19826	35.24597	.82438	.11934	.07685	.00134	-.00039	-.00907	.00000
.154	74.753	8.24147	35.11681	.82482	.12044	.08154	.00141	-.00031	-.01010	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF402) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.152	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 402/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.15181	34.86731	1.12446	.12495	-.07864	.00024	.00900	.03375	.00000
.154	12.900	10.13332	34.95934	1.11815	.12859	-.06977	.00054	.00665	.02751	.00000
.154	21.799	10.12413	35.09108	1.07977	.13547	-.02467	.00095	.00204	.01595	.00000
.154	38.151	10.17398	34.89036	1.03530	.13962	.01485	.00106	-.00019	-.00302	.00000
.155	53.564	10.17378	35.50040	1.01920	.14072	.03032	.00121	-.00157	-.00765	.00000
.155	85.224	10.21425	35.21566	1.01877	.14216	.04044	.00151	.00001	-.00914	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF403) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.125	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 403/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.232	12.12460	35.00835	1.28388	.15988	-.12194	-.00041	.00461	.02292	.00000
.155	23.559	12.10346	35.19949	1.26225	.16223	-.09527	-.00015	.00329	.01908	.00000
.155	39.599	12.14818	35.42275	1.22240	.16599	-.03796	.00070	-.00107	.00161	.00000
.155	55.038	12.18570	35.25460	1.20171	.16887	-.01483	.00131	-.00086	-.00564	.00000
.154	97.372	12.26421	35.03750	1.22038	.17103	-.00867	.00197	.00017	-.01032	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F10TS401G5.3.5 (RJF404) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .144 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 404/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.14365	35.31933	.10843	.10159	-.06410	.00268	.00355	.01546	.00000
.155	15.246	.13397	35.28931	.10412	.10596	-.07174	.00191	.00038	.01059	.00000
.155	25.332	.15539	35.16614	.10579	.10571	-.07719	.00104	.00033	.00317	.00000
.155	34.208	.12987	35.19115	.10268	.10589	-.07435	-.00006	-.00006	-.00768	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F10TS401G5.3.5 (RJF405) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.201 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 405/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.20116	35.17167	.55329	.08986	-.06142	.00277	.00496	.02302	.00000
.155	14.622	4.16997	35.20071	.53518	.09417	-.06984	.00209	.00331	.01782	.00000
.154	23.769	4.14182	35.04207	.50166	.09785	-.07967	.00127	.00215	.00549	.00000
.154	39.990	4.09392	34.94855	.48649	.09909	-.08237	-.00032	.00126	-.00374	.00000
.155	55.006	4.16841	35.20247	.49405	.09986	-.07705	-.00067	.00023	-.01039	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F10TS401G5.3.5 (RJF406) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.129 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 406/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.156	11.341	6.12949	35.64474	.74988	.09284	-.05279	.00334	.00757	.02871	.00000
.155	14.884	6.08695	35.15692	.72414	.09849	-.06784	.00226	.00404	.02078	.00000
.154	23.723	6.05635	34.90132	.69784	.10254	-.07729	.00161	.00360	.01411	.00000
.155	39.780	6.12535	35.39261	.68327	.10566	-.08155	-.00044	.00117	-.00303	.00000
.155	55.467	6.15938	35.31512	.67459	.10700	-.08004	-.00060	.00011	-.00570	.00000
.155	65.921	6.15986	35.11348	.66899	.10784	-.07799	-.00043	.00101	-.00533	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F10TS401G5.3.5 (RJF407) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.129 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 407/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.12887	35.06892	.92572	.10578	-.05289	.00289	.00723	.02508	.00000
.155	13.142	8.10058	35.24707	.92671	.10873	-.06114	.00283	.00619	.02867	.00000
.154	22.644	8.10051	34.99803	.89229	.11433	-.07937	.00158	.00349	.01571	.00000
.155	38.618	8.18651	35.34691	.87619	.11907	-.08076	-.00047	-.00025	-.00198	.00000
.155	53.918	8.16645	35.17022	.86986	.12007	-.08142	-.00036	.00044	-.00382	.00000
.155	75.259	8.21630	35.19997	.86104	.12196	-.07971	-.00078	-.00076	-.00759	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F1OTS401G5.3.5 (RJF408) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.123 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 408/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.12304	35.01410	1.10746	.12217	-.05052	.00222	.00828	.02916	.00000
.154	13.226	10.09900	35.05999	1.11675	.12531	-.06001	.00235	.00739	.02674	.00000
.154	22.025	10.07846	35.01325	1.07158	.13533	-.07672	.00113	.00309	.01086	.00000
.155	38.327	10.05751	35 24887	1.04602	.13940	-.07998	.00009	.00044	.00208	.00000
.155	53.723	10.25409	35.32326	1.04965	.14389	-.07854	-.00029	.00065	-.00607	.00000
.155	85.420	10.16094	35.20908	1.03962	.14401	-.07886	-.00066	.00046	-.00739	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F1OTS401G5.3.5 (RJF409) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.202 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 409/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.233	12.20178	35.19504	1.28127	.15759	-.08124	.00144	.00572	.02219	.00000
.154	23.551	12.17097	35.02631	1.26159	.15979	-.08285	.00086	.00391	.01292	.00000
.154	26.900	12.17038	35.04080	1.25205	.16140	-.08395	.00055	.00288	.01133	.00000
.155	39.542	12.16351	35.12925	1.23244	.16572	-.08210	-.00014	.00113	.00099	.00000
.155	55.051	12.18847	35.12000	1.21980	.16773	-.07937	-.00052	-.00084	-.00627	.00000
.155	97.337	12.29840	35.17965	1.23307	.17232	-.07878	-.00042	.00007	-.00781	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF410) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.133	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 410/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.13336	35.23670	-.08363	.11552	.67167	.00296	.00130	.00600	.00000
.155	13.566	.08708	35.19369	-.09432	.11803	.66769	.00273	.00115	.00270	.00000
.155	23.721	.03313	35.11761	-.10707	.12040	.65651	.00214	.00024	-.01041	.00000
.154	32.670	.11344	35.08180	-.09361	.11901	.64976	.00172	-.00200	-.01867	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF411) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.213	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 411/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.21319	35.19619	.37600	.09382	.60313	.00323	.00418	.01050	.00000
.155	13.290	4.18953	35.16994	.36224	.09596	.59830	.00300	.00344	.00591	.00000
.155	22.535	4.15919	35.15446	.33639	.09882	.59463	.00254	.00197	-.00121	.00000
.155	32.378	4.12801	35.20751	.31988	.09998	.59726	.00204	.00014	-.01258	.00000
.155	38.585	4.10913	35.24354	.29824	.10070	.59847	.00193	.00029	-.01579	.00000
.155	53.620	4.10690	35.15509	.29489	.10123	.60085	.00158	-.00005	-.02023	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF412) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.142 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 412/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.14183	35.10794	.58474	.09586	.55697	.00279	.00407	.01273	.00000
.154	12.496	6.12132	35.04685	.57227	.09691	.55619	.00271	.00307	.01016	.00000
.155	21.453	6.09117	35.17172	.52268	.10210	.55673	.00236	.00262	.00021	.00000
.155	37.311	6.06824	35.21688	.50207	.10297	.56400	.00177	-.00022	-.01679	.00000
.155	53.290	6.11816	35.15551	.49149	.10421	.56967	.00135	-.00117	-.01943	.00000
.154	63.604	6.18393	35.07106	.50708	.10391	.57058	.00170	-.00027	-.02205	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF413) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.115 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 413/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.11447	35.18320	.79161	.10489	.49172	.00234	.00609	.01580	.01000
.154	14.014	8.60315	34.91664	.77612	.08802	.48875	.00192	.00348	.00765	.01000
.154	21.438	8.06997	35.06340	.73106	.11185	.50749	.00217	.00324	.00071	.01000
.155	37.135	8.22849	35.14460	.72472	.11479	.51685	.00194	.00024	-.01714	.01000
.154	52.442	8.22823	35.04161	.71004	.11530	.52556	.00197	-.00035	-.01963	.01000
.155	73.818	8.13720	35.22938	.70087	.11495	.53258	.00215	-.00003	-.02154	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF414) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 414/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.326	10.23944	35.20967	1.00251	.12148	.40656	.00090	.00594	.01548	.01000
.155	12.734	10.21904	35.11561	1.00890	.12370	.40957	.00125	.00628	.01572	.01000
.154	21.300	10.20472	35.09537	.95278	.13056	.44663	.00199	.00244	-.00272	.01000
.155	37.899	10.19531	35.22902	.91669	.13228	.47177	.00161	.00010	-.01119	.01000
.154	52.950	10.18496	35.06307	.89879	.13334	.48660	.00168	-.00157	-.01834	.01000
.155	84.729	10.21143	35.17179	.89498	.13482	.49232	.00208	-.00045	-.02197	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5 (RJF415) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.206	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 415/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.168	12.20620	35.08086	1.16223	.15198	.35715	-.00002	.00421	.01327	.01000
.154	23.397	12.18492	35.06423	1.15826	.15151	.37439	.00082	.00332	.00362	.01000
.155	39.532	12.17740	35.33426	1.09887	.15599	.42510	.00137	.00002	-.01038	.01000
.155	54.939	12.24013	35.20438	1.08804	.15563	.44314	.00157	-.00131	-.01825	.01000
.155	97.268	12.23568	35.24272	1.09259	.16003	.45264	.00208	-.00041	-.01992	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF416) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 416/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.23923	35.40068	.21304	.12033	.57841	.00394	.00248	.00770	.00000
.155	14.008	.19339	35.18468	.19006	.12504	.57349	.00351	.00186	.00619	.00000
.154	23.829	.14375	35.00444	.17570	.12793	.56882	.00323	.00010	-.00204	.00000
.155	32.975	.06346	35.38667	.15424	.13016	.57227	.00266	-.00178	-.01345	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF417) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.132	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IOPB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 417/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.13252	35.03232	.63531	.11295	.51742	.00310	.00408	.00924	.00000
.154	12.684	4.10310	35.03418	.61890	.11612	.51551	.00283	.00429	.00812	.00000
.154	21.885	4.08730	35.10467	.60321	.12080	.51564	.00227	.00033	-.00416	.00000
.155	37.986	4.15130	35.14138	.57575	.12440	.52436	.00145	-.00033	-.01410	.00000
.155	52.971	4.15404	35.29272	.55881	.12535	.52805	.00188	.00202	-.01618	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF418) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.160	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 418/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.15989	35.21921	.84962	.11912	.45575	.00339	.00538	.00645	.00000
.155	21.373	6.04930	35.15909	.80598	.13143	.46874	.00229	.00309	-.00021	.00000
.155	37.190	6.16467	35.43906	.77851	.13384	.49081	.00169	.00122	-.01559	.00000
.155	52.931	6.18115	35.20736	.76419	.13518	.50052	.00157	.00047	-.01408	.00000
.155	63.486	6.16235	35.25026	.76433	.13621	.50391	.00163	-.00037	-.02064	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF419) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.144	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 419/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.14413	35.12170	1.04186	.13127	.38984	.00287	.00836	.01649	.00000
.154	11.634	8.11931	35.10605	1.04492	.13185	.38805	.00268	.00605	.00829	.00000
.155	21.096	8.10310	35.36610	1.00709	.14472	.41791	.00244	.00297	.00367	.00000
.155	37.040	8.10250	35.12075	.97120	.14830	.45115	.00127	-.00061	-.01074	.00000
.155	52.648	8.21067	35.25920	.96581	.15133	.46584	.00154	-.00154	-.01927	.00000
.155	73.732	8.20019	35.25185	.96147	.15183	.47335	.00182	-.00050	-.02095	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF420) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.094 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 420/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	10.642	10.09378	35.31258	1.23193	.14908	.30856	.00052	.00808	.02302	.00000
.154	11.327	10.11173	34.96891	1.22774	.15153	.31440	.00070	.00634	.01411	.00000
.155	19.292	10.09425	35.31163	1.21030	.16326	.35509	.00278	.00373	.00289	.00000
.155	36.209	10.14081	35.17068	1.15868	.17055	.40757	.00153	-.00041	-.01383	.00000
.155	51.301	10.25239	35.19638	1.15059	.17400	.42574	.00155	-.00158	-.01738	.00000
.155	82.859	10.23512	35.20090	1.15726	.17447	.43525	.00213	-.00119	-.02235	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF421) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.106 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 421/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.310	12.10634	35.34919	1.41624	.18394	.25557	-.00018	.00567	.01728	.00000
.155	23.619	12.08809	35.26942	1.41095	.18746	.28606	.00130	.00390	.00952	.00000
.155	39.766	12.21963	35.21379	1.35411	.19812	.35748	.00203	.00000	-.01400	.00000
.155	54.974	12.23093	35.46348	1.34744	.19984	.37171	.00175	-.00143	-.01757	.00000
.154	97.406	12.28618	35.09438	1.34304	.20441	.39261	.00247	-.00129	-.01983	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS40105.3.5 (RJF422) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .183 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 422/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.278	.18283	35.08691	.38477	.10454	-.13857	.00328	.00391	.01197	.00000
.155	14.638	.13753	35.52826	.38165	.10798	-.15040	.00208	.00210	.00555	.00000
.154	24.699	.08600	35.08922	.36155	.11143	-.15395	.00075	-.00097	-.00786	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS40105.3.5 (RJF423) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.173 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 423/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.17342	35.21505	.80860	.10531	-.14193	.00262	.00432	.01381	.00000
.155	13.787	4.15977	35.38762	.80622	.10902	-.14934	.00250	.00515	.01414	.00000
.154	23.012	4.12699	35.06751	.76915	.11574	-.16280	.00065	.00011	-.00233	.00000
.155	39.152	4.22634	35.24655	.76756	.11896	-.16665	-.00061	-.00078	-.01119	.00000
.155	54.160	4.14477	35.24376	.74883	.12003	-.16619	-.00103	-.00064	-.01449	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS401G5.3.5 (RJF424) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.153 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 424/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.15316	35.10037	.99725	.11387	-.13479	.00257	.00597	.01425	.00000
.155	13.384	6.12579	35.21799	.99458	.11843	-.14979	.00235	.00529	.01180	.00000
.155	22.430	6.10138	35.20382	.96513	.12688	-.16330	.00129	.00279	.00301	.00000
.155	38.010	6.07092	35.15343	.93686	.13081	-.16698	-.00048	-.00033	-.00728	.00000
.155	53.839	6.13843	35.39678	.93485	.13361	-.16603	-.00080	-.00033	-.01135	.00000
.155	64.397	6.20292	35.37934	.94683	.13451	-.16584	-.00121	-.00125	-.01690	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS401G5.3.5 (RJF425) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.284 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 425/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.339	8.28441	35.10982	1.17616	.12971	-.12760	.00279	.00802	.01589	.00000
.155	13.261	8.25490	35.23524	1.17994	.13146	-.14022	.00266	.00742	.01562	.00000
.155	22.989	8.14053	35.30192	1.16652	.14428	-.15919	.00106	.00359	.00630	.00000
.155	38.801	8.06937	35.20276	1.12777	.15013	-.16853	-.00075	-.00091	-.00877	.00000
.155	54.345	8.16298	35.18814	1.12013	.15386	-.16786	-.00132	-.00256	-.01276	.00000
.155	75.418	8.25072	35.28471	1.13381	.15551	-.16489	-.00145	-.00223	-.01660	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS401G5.3.5 (RJF426) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.235 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 426/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.326	10.23531	35.13576	1.33671	.14699	-.12383	.00193	.00975	.01841	.00000
.155	13.209	10.21731	35.34760	1.35568	.15274	-.13576	.00187	.00717	.01534	.00000
.155	21.910	10.20618	35.17441	1.34186	.16738	-.15971	.00077	.00282	.00701	.00000
.155	38.442	10.19334	35.21499	1.31768	.17496	-.16702	-.00021	.00069	-.00667	.00000
.155	53.732	10.18871	35.47167	1.30585	.17886	-.16379	-.00093	-.00215	-.01317	.00000
.155	85.384	10.21312	35.34119	1.31262	.18142	-.16350	-.00138	-.00267	-.01765	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7 F20TS401G5.3.5 (RJF427) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.154 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 427/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.367	12.15431	35.16642	1.53390	.18691	-.16499	.00102	.00609	.01166	.00000
.154	23.528	12.12787	35.07252	1.51040	.19210	-.16864	.00071	.00510	.00793	.00000
.155	39.638	12.16338	35.22179	1.49095	.20457	-.17540	-.00074	-.00090	-.01047	.00000
.155	55.177	12.19365	35.18448	1.49440	.20734	-.17172	-.00036	-.00015	-.01217	.00000
.155	97.462	12.26972	35.45820	1.49912	.21267	-.17202	-.00101	-.00195	-.01696	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF428) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.228	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 428/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.22810	35.20738	.27914	.11151	.24351	.00344	.00401	.00949	.00000
.155	14.376	.19971	35.20603	.28555	.11450	.24237	.00288	.00262	.00671	.00000
.155	24.305	.13383	35.30785	.26072	.11875	.24227	.00291	.00066	-.00679	.00000
.155	33.296	.06375	35.30230	.24367	.11940	.24288	.00245	.00029	-.01445	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF429) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.127	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 429/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.12734	35.09735	.73626	.10616	.14780	.00321	.00407	.01237	.00000
.154	12.981	4.10950	35.12373	.73111	.10997	.14899	.00295	.00351	.01308	.00000
.154	22.329	4.08314	34.97428	.69420	.11668	.16464	.00212	.00052	-.00220	.00000
.155	38.465	4.16980	35.15397	.67937	.11925	.17707	.00146	-.00075	-.01432	.00000
.154	53.352	4.07650	35.12280	.64674	.12132	.18468	.00128	.00003	-.02057	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF430) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	6.124	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 430/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.12414	35.05649	.94034	.11574	.08317	.00333	.00528	.01149	.00000
.155	12.653	6.10221	35.16757	.94312	.11808	.08297	.00321	.00444	.01320	.00000
.154	21.650	6.08996	35.03267	.90590	.12671	.10976	.00173	.00152	-.00001	.00000
.155	37.601	6.09494	35.22009	.86525	.13013	.13853	.00150	-.00064	-.01057	.00000
.155	53.336	6.26792	35.28650	.86175	.13392	.14998	.00138	-.00090	-.01680	.00000
.155	63.784	6.21252	35.21727	.86602	.13292	.15490	.00160	-.00020	-.01964	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF431) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	8.118	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 431/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.11780	35.09764	1.13368	.13060	.01899	.00251	.00663	.01563	.00000
.155	12.013	8.10084	35.20761	1.13529	.13241	.01835	.00268	.00698	.01580	.00000
.154	20.136	8.09608	35.10418	1.10665	.14418	.04861	.00275	.00419	.00510	.00000
.155	34.186	8.08793	35.45813	1.06782	.14839	.09126	.00160	-.00087	-.00878	.00000
.154	52.856	8.17363	35.02516	1.05514	.15101	.10884	.00164	-.00061	-.01516	.00000
.155	74.027	8.17815	35.17069	1.04454	.15332	.11964	.00124	-.00276	-.02030	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF432) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.126 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 432/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.12556	35.04986	1.31172	.14968	-.05510	.00010	.00760	.01693	.00000
.154	12.102	10.10874	34.89482	1.32488	.15129	-.05429	.00016	.00702	.02205	.00000
.155	20.910	10.20560	35.37659	1.29875	.16875	-.00982	.00275	.00364	.00115	.00000
.154	37.317	10.20902	34.95797	1.26150	.17410	.04550	.00121	-.00138	-.00778	.00000
.155	52.769	10.21087	35.21485	1.24276	.17728	.06917	.00121	-.00277	-.01565	.00000
.155	84.372	10.18506	35.19691	1.24390	.17819	.08163	.00174	-.00255	-.02072	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF433) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.127 RN/L = 1.090
STAB = -6.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 433/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.349	12.12685	34.94229	1.50762	.18938	-.11005	-.00016	.00366	.01353	.00000
.154	23.680	12.10462	35.05020	1.48908	.19447	-.08015	.00110	.00335	.00614	.00000
.154	39.788	12.20884	35.07630	1.44918	.20386	-.00996	.00183	-.00025	-.01210	.00000
.155	55.123	12.22583	35.29634	1.44042	.20560	.01387	.00167	-.00304	-.01939	.00000
.155	97.454	12.23874	35.13713	1.43179	.20982	.03295	.00201	-.00248	-.02143	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF434) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 434/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.21300	35.23829	.31281	.10958	.16656	.00298	.00367	.01054	.00000
.155	14.081	.16551	35.31338	.30611	.11358	.16516	.00263	.00270	.01202	.00000
.155	24.069	.11862	35.13260	.28458	.11568	.16418	.00273	-.00008	.00233	.00000
.154	33.072	.07137	35.04057	.25216	.11729	.16756	.00167	.00013	-.01471	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF435) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.217	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 435/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.332	4.21683	35.08814	.76908	.10789	.05042	.00320	.00479	.01198	.00000
.154	14.085	4.19776	35.09063	.76660	.11216	.05478	.00279	.00418	.01265	.00000
.154	22.445	4.17572	35.11225	.71446	.11751	.07383	.00184	.00145	-.00158	.00000
.155	38.808	4.13416	35.13028	.68718	.11993	.08787	.00087	-.00184	-.01281	.00000
.155	53.856	4.17226	35.23678	.69162	.12055	.09420	.00133	.00030	-.01789	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF436) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.243	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 436/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.24261	35.28259	.98144	.11709	-.01652	.00347	.00624	.01645	.00000
.155	13.408	6.21909	35.31244	.97287	.12191	-.01557	.00287	.00446	.00932	.00000
.154	22.425	6.20203	35.06944	.93148	.12924	.01222	.00215	.00152	.00138	.00000
.154	38.079	6.17649	35.11888	.88997	.13286	.04397	.00167	.00038	-.01406	.00000
.155	53.895	6.14776	35.31670	.88542	.13350	.05648	.00119	-.00066	-.01662	.00000
.155	64.383	6.10669	35.31395	.86627	.13433	.06213	.00120	-.00229	-.01855	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF437) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.082	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 437/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.08170	35.14523	1.15461	.13153	-.07469	.00194	.00745	.02020	.00000
.155	11.675	8.06441	35.14476	1.16323	.13228	-.07752	.00233	.00676	.01691	.00000
.154	21.225	8.05293	35.08761	1.12691	.14549	-.04250	.00239	.00402	.00199	.00000
.154	37.115	8.11709	34.94775	1.08995	.15177	-.00191	.00131	-.00095	-.01310	.00000
.155	52.724	8.14105	35.43691	1.07750	.15383	.01431	.00110	-.00244	-.01667	.00000
.155	73.808	8.15487	35.29323	1.07139	.15529	.02378	.00136	-.00207	-.02180	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF438) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.091 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 438/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.328	10.09107	35.01562	1.33457	.15096	-.14722	-.00017	.00772	.02026	.00000
.154	12.216	10.06861	35.06011	1.34217	.15349	-.15092	-.00038	.00757	.02021	.00000
.155	20.963	10.07553	35.23842	1.32498	.16803	-.10158	.00251	.00373	.00436	.00000
.155	37.419	10.13835	35.15335	1.26858	.17714	-.04740	.00112	-.00130	-.01184	.00000
.155	52.629	10.22534	35.56692	1.27099	.18004	-.03011	.00102	-.00298	-.01741	.00000
.154	84.343	10.19912	35.12378	1.27286	.18104	-.01800	.00176	-.00151	-.02119	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF439) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.115 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 439/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.367	12.11553	35.16997	1.53056	.19334	-.20281	-.00058	.00434	.00768	.00000
.154	23.558	12.10296	35.11436	1.52107	.19612	-.18353	.00019	.00394	.01066	.00000
.154	39.754	12.10096	34.76601	1.45937	.20627	-.10476	.00142	-.00055	-.01038	.00000
.154	55.215	12.11834	35.08696	1.44885	.20847	-.08055	.00157	-.00145	-.01688	.00000
.155	97.487	12.27753	35.40459	1.46592	.21476	-.06671	.00191	-.00206	-.02081	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF440) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.293	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 440/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.280	.29307	35.32663	.34109	.10804	.07623	.00319	.00296	.01157	.00000
.155	14.321	.24380	35.21813	.33937	.11037	.07082	.00318	.00321	.01065	.00000
.154	24.555	.18571	35.06283	.29543	.11568	.07548	.00226	.00006	-.00901	.00000
.154	33.476	.11247	34.95157	.28835	.11679	.08165	.00132	.00039	-.01219	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF441) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.248	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 441/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.24756	35.24977	.80084	.10852	-.05029	.00305	.00468	.01320	.00000
.155	13.650	4.22809	35.18292	.78452	.11340	-.04472	.00249	.00340	.00828	.00000
.154	22.861	4.20266	34.93984	.74910	.11847	-.02893	.00195	.00072	-.00163	.00000
.155	38.863	4.15972	35.30625	.70791	.12204	-.00719	.00089	-.00123	-.01537	.00000
.155	53.912	4.07949	35.27384	.70049	.12185	.00379	.00124	.00043	-.01779	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF442) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.218	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 442/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.21790	35.01349	.99757	.11973	-.11127	.00271	.00512	.01604	.00000
.154	13.095	6.19997	35.01328	.99827	.12313	-.11275	.00283	.00490	.01701	.00000
.155	22.216	6.17884	35.22566	.94133	.13163	-.08251	.00209	.00237	.00082	.00000
.155	38.050	6.15446	35.12815	.92755	.13430	-.05615	.00095	-.00061	-.00813	.00000
.155	53.880	6.11999	35.34812	.90447	.13572	-.04203	.00093	-.00154	-.01589	.00000
.155	64.312	6.11818	35.34169	.90133	.13640	-.03616	.00101	-.00203	-.01923	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF443) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 443/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.12768	35.29059	1.18685	.13432	-.17440	.00129	.00777	.02257	.00000
.155	12.376	8.10896	35.14460	1.18140	.13745	-.17421	.00185	.00832	.02291	.00000
.154	21.953	8.06411	35.08823	1.15502	.14864	-.13930	.00205	.00323	.00703	.00000
.155	37.714	8.09037	35.13951	1.12396	.15342	-.10258	.00116	-.00057	-.00952	.00000
.155	52.882	8.16170	35.25813	1.10354	.15681	-.08481	.00077	-.00275	-.01473	.00000
.155	74.385	8.20774	35.13221	1.10033	.15921	-.07658	.00120	-.00240	-.02084	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF444) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.224 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 444/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.326	10.22377	35.04679	1.37552	.15649	-.25738	-.00092	.00841	.02188	.00000
.154	13.045	10.21541	35.09166	1.38797	.15986	-.25377	-.00048	.00795	.02286	.00000
.154	21.658	10.20212	35.10157	1.35822	.17397	-.19885	.00209	.00518	.00936	.00000
.155	38.271	10.20623	35.23033	1.31125	.18137	-.14751	.00102	-.00150	-.01469	.00000
.155	53.512	10.20127	35.18898	1.29576	.18323	-.12651	.00140	-.00101	-.01561	.00000
.154	85.186	10.31331	35.08683	1.30164	.18723	-.11670	.00119	-.00293	-.02063	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5 (RJF445) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.120 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 445/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.375	12.11978	34.94962	1.55489	.19877	-.30239	-.00091	.00433	.01720	.00000
.155	23.668	12.11121	35.26683	1.55210	.20155	-.27941	.00007	.00414	.01096	.00000
.154	39.658	12.21404	34.93949	1.50499	.21206	-.20548	.00116	-.00139	-.01240	.00000
.154	55.162	12.22818	34.98274	1.49059	.21524	-.18105	.00115	-.00229	-.01598	.00000
.154	97.470	12.28852	35.09762	1.49470	.21895	-.16736	.00160	-.00240	-.02213	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.ITS7H15.6.1F30TS401G5.3.5 (RJF446) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 446/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.21902	35.22037	.86645	.17390	-.17340	.00245	.00639	.01580	.00000
.154	14.000	.18012	34.82820	.86665	.18403	-.18088	.00190	.00376	.01254	.00000
.155	24.041	.14107	35.42494	.84164	.19555	-.14404	.00173	.00204	.00221	.00000
.155	32.978	.07351	35.42490	.80948	.19979	-.12965	.00102	-.00099	-.00981	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.ITS7H15.6.1F30TS401G5.3.5 (RJF447) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.139	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 447/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.13883	35.26193	1.25566	.18888	-.27976	.00212	.00693	.01352	.00000
.155	12.925	4.12932	35.26395	1.27314	.19854	-.29791	.00172	.00636	.01333	.00000
.155	22.348	4.14871	35.23206	1.25931	.21764	-.25972	.00156	.00195	-.00210	.00000
.154	38.314	4.09459	35.13461	1.22350	.22769	-.21070	.00064	-.00110	-.01113	.00000
.155	53.311	4.15424	35.35062	1.20815	.23110	-.19481	-.00012	-.00335	-.01840	.00000
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF448) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.120	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 448/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.12036	34.97448	1.42302	.20268	-.32619	.00298	.00736	.00916	.00000
.155	12.532	6.10643	35.17394	1.44430	.21046	-.34394	.00206	.00592	.00754	.00000
.155	21.687	6.10749	35.23205	1.45683	.23646	-.31153	.00087	.00125	.00137	.00000
.154	37.528	6.10348	35.08103	1.42581	.24819	-.25082	.00048	-.00140	-.01047	.00000
.155	53.296	6.23568	35.31035	1.39048	.25099	-.22751	.00047	-.00239	-.01505	.00000
.155	63.687	6.21277	35.28783	1.39972	.25694	-.21654	.00063	-.00283	-.01933	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF449) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.179	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 449/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.17887	35.33943	1.59020	.21816	-.37840	.00249	.00904	.01045	.00000
.155	12.309	8.16444	35.43188	1.61429	.22334	-.39354	.00296	.00874	.01161	.00000
.155	20.718	8.18491	35.47253	1.66810	.26538	-.37977	.00043	.00395	.00659	.00000
.154	37.776	8.18045	35.02378	1.60273	.27694	-.29356	.00023	-.00168	-.00979	.00000
.155	53.257	8.17976	35.18359	1.59215	.26138	-.26585	.00047	-.00288	-.01647	.00000
.155	74.409	8.23758	35.55089	1.57740	.28577	-.24966	.00021	-.00399	-.01986	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF450) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= 10.056	RN/L	= 1.090
STAB	= -2.000	ELEVTR	= .000
IORB	= 3.000	ELEVON	= .000
BDFLAP	= -11.700		

RUN NO. 450/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.328	10.05627	35.32813	1.72060	.23218	-.42832	.00142	.01193	.01783	.00000
.155	11.846	10.04125	35.35692	1.74171	.23598	-.43737	.00165	.00958	.01503	.00000
.155	20.625	10.16063	35.28476	1.82386	.27361	-.43203	-.00072	.00220	.00623	.00000
.154	37.170	10.17173	34.89487	1.77733	.30337	-.33534	.00004	-.00250	-.01056	.00000
.155	52.403	10.18837	35.39628	1.76574	.31004	-.30363	.00019	-.00377	-.01597	.00000
.155	84.110	10.27603	35.30043	1.76755	.31753	-.28223	.00088	-.00391	-.02115	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5 (RJF451) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= 12.196	RN/L	= 1.090
STAB	= -2.000	ELEVTR	= .000
IORB	= 3.000	ELEVON	= .000
BDFLAP	= -11.700		

RUN NO. 451/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.611	12.19570	35.20195	1.98118	.29678	-.49980	-.00050	.00523	.01524	.00000
.155	23.867	12.18652	35.19828	1.97359	.30760	-.47784	-.00008	.00281	.00395	.00000
.154	39.945	12.22354	35.01647	1.96125	.32935	-.38018	.00001	-.00276	-.01081	.00000
.155	55.368	12.25008	35.26028	1.95198	.34193	-.34589	.00067	-.00299	-.01380	.00000
.155	97.730	12.34298	35.22265	1.95585	.35230	-.32067	.00111	-.00462	-.01854	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF452) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	.270	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 452/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.279	.27032	35.30230	.35443	.10882	.14181	.00280	.00285	.01067	.00000
.155	14.487	.19439	35.25524	.34563	.11266	.14438	.00285	.00211	.00509	.00000
.155	24.477	.15197	35.17305	.32588	.11518	.14786	.00235	.00116	-.00392	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF453) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	4.217	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 453/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.332	4.21713	35.25819	.82156	.11140	.02615	.00236	.00445	.01280	.00000
.155	13.481	4.19958	35.16312	.80839	.11495	.02858	.00243	.00393	.01356	.00000
.154	22.609	4.17971	35.11141	.76444	.12077	.04501	.00209	.00156	-.00032	.00000
.154	38.800	4.12597	34.92671	.73362	.12348	.06420	.00105	-.00181	-.01172	.00000
.155	53.796	4.10328	35.54198	.72505	.12412	.07406	.00150	-.00032	-.01695	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 (RJF454) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= 6.212	RN/L	= 1.090		
STAB	= -2.000	ELEVTR	= .000		
IORB	= 6.000	ELEVON	= .000		
BDFLAP	= -11.700				

RUN NO. 454/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00.

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.21228	35.39704	1.02792	.12447	-.04097	.00142	.00644	.01789	.00000
.155	12.992	6.19047	35.29481	1.01839	.12851	-.03943	.00188	.00471	.01306	.00000
.154	21.939	6.17718	35.02922	.98885	.13421	-.01061	.00175	.00256	.00256	.00000
.154	38.004	6.17538	35.12248	.93346	.13765	.01650	.00107	-.00133	-.01210	.00000
.155	53.742	6.11106	35.28442	.92194	.13972	.02886	.00117	-.00196	-.01344	.00000
.155	64.114	6.14746	35.27119	.91806	.14089	.03520	.00153	-.00214	-.01969	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 (RJF455) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= 8.189	RN/L	= 1.090		
STAB	= -2.000	ELEVTR	= .000		
IORB	= 6.000	ELEVON	= .000		
BDFLAP	= -11.700				

RUN NO. 455/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.18894	35.20255	1.22005	.14360	-.10726	-.00043	.00617	.01982	.00000
.154	12.199	8.17211	34.96836	1.22524	.14520	-.10650	-.00030	.00596	.02089	.00000
.154	21.889	8.16943	34.93674	1.19170	.15568	-.06487	.00196	.00420	.00356	.00000
.155	37.655	8.15759	35.27220	1.14057	.16086	-.02995	.00157	-.00099	-.01143	.00000
.155	53.120	8.14598	35.15325	1.13028	.16172	-.01420	.00146	-.00206	-.01518	.00000
.154	74.260	8.21941	35.07590	1.13101	.16437	-.00619	.00162	-.00201	-.01932	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF456) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.141 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 456/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.14130	35.04069	1.39704	.16503	-.19698	-.00209	.00920	.02986	.00000
.154	12.345	10.12468	35.05238	1.40803	.16798	-.19353	-.00195	.00760	.02617	.00000
.154	21.079	10.12614	35.11265	1.36961	.18151	-.12088	.00021	.00335	.00987	.00000
.155	37.630	10.20946	35.18830	1.33407	.18861	-.06794	.00147	-.00128	-.01179	.00000
.155	52.805	10.20895	35.31656	1.32789	.19081	-.05057	.00125	-.00319	-.01675	.00000
.155	84.474	10.22478	35.21570	1.31900	.19351	-.03893	.00212	-.00265	-.02280	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF457) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.130 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 457/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.395	12.12964	35.09843	1.58504	.20995	-.23760	-.00169	.00353	.01692	.00000
.154	23.576	12.11316	35.08289	1.56129	.21368	-.20410	-.00064	.00337	.01059	.00000
.155	39.905	12.12597	35.38190	1.51713	.22032	-.12285	.00143	-.00243	-.00936	.00000
.154	65.825	12.27509	34.99484	1.51530	.22696	-.09498	.00225	-.00261	-.01886	.00000
.155	97.483	12.27655	35.26104	1.52075	.22872	-.08939	.00256	-.00195	-.01940	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF458) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .205 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 458/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.278	.20543	35.24053	.32134	.11425	.12385	.00289	.00354	.01150	.00000
.155	13.130	.17110	35.27956	.31877	.11677	.11921	.00239	.00261	.00475	.00000
.154	22.944	.12140	35.04582	.28773	.12051	.12487	.00180	-.00104	-.00869	.00000
.154	32.088	.06516	35.11555	.26797	.12178	.12653	.00128	-.00190	-.01453	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF459) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.216 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 459/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.332	4.21654	35.14727	.79106	.11433	.00837	.00254	.00431	.01483	.00000
.154	13.496	4.19561	35.06169	.77600	.11834	.00962	.00216	.00350	.01329	.00000
.155	22.838	4.17387	35.26021	.74134	.12374	.02344	.00173	.00047	-.00286	.00000
.155	38.896	4.13510	35.20510	.71205	.12612	.04153	.00108	-.00021	-.01078	.00000
.155	53.871	4.21508	35.23310	.71199	.12775	.04604	.00112	-.00049	-.01811	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF460) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.252 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 460/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.25222	35.24521	1.00128	.12673	-.05450	.00233	.00557	.02074	.00000
.155	13.398	6.15819	35.50681	.99190	.12946	-.05111	.00254	.00519	.01487	.00000
.155	22.411	6.13738	35.23063	.94689	.13612	-.03149	.00230	.00426	.00795	.00000
.154	38.309	6.11801	34.96895	.90538	.13939	-.00112	.00091	-.00073	-.00931	.00000
.155	53.886	6.07401	35.35699	.89688	.14063	.01191	.00085	-.00187	-.01491	.00000
.155	64.452	6.20302	35.30743	.91465	.14222	.01041	.00139	-.00163	-.01557	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF461) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.145 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 461/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.14494	34.96010	1.19308	.14320	-.12015	-.00002	.00700	.02448	.00000
.154	12.012	8.12785	35.15335	1.19049	.14546	-.12119	.00013	.00661	.02530	.00000
.155	21.461	8.11872	35.16587	1.15196	.15656	-.08198	.00179	.00239	.00593	.00000
.155	37.364	8.23907	35.42682	1.13517	.16173	-.04876	.00108	-.00229	-.00848	.00000
.155	52.891	8.22085	35.30778	1.10335	.16360	-.03308	.00129	-.00333	-.01747	.00000
.155	74.094	8.20037	35.17440	1.11098	.16408	-.02613	.00158	-.00270	-.02037	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00300	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF462) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.097	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 462/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.09701	35.07643	1.36897	.16547	-.20336	-.00168	.00730	.02504	.00000
.154	11.897	10.08002	35.05886	1.37869	.16621	-.20144	-.00176	.00625	.02573	.00000
.154	20.809	10.16945	35.03707	1.35715	.18181	-.14093	.00103	.00248	.00581	.00000
.154	37.351	10.15802	34.90937	1.31035	.18796	-.08630	.00079	-.00324	-.01153	.00000
.155	52.583	10.27481	35.37450	1.30795	.19136	-.06998	.00125	-.00238	-.01390	.00000
.155	84.235	10.20844	35.24898	1.29375	.19330	-.05697	.00175	-.00238	-.01722	.00000
	GRADIENT	.00000	.00000	.00000	.00000	00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF463) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.112	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 463/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.384	12.11196	35.19062	1.55923	.20880	-.24890	-.00193	.00409	.02150	.00000
.154	23.666	12.09569	35.15007	1.54452	.21028	-.22315	-.00130	.00300	.01587	.00000
.154	39.879	12.14636	35.07745	1.48735	.22011	-.13743	.00121	-.00073	-.00748	.00000
.155	55.197	12.22975	35.24470	1.47982	.22483	-.11698	.00119	-.00280	-.01340	.00000
.155	97.454	12.27059	35.25814	1.49009	.22798	-.10458	.00175	-.00273	-.01636	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF464) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .156 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 464/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.15594	35.20606	.32388	.11039	.12510	.00304	.00114	.00697	.00000
.155	13.857	.11030	35.23972	.31304	.11382	.12289	.00263	.00266	.00852	.00000
.155	23.942	.12617	35.29842	.29561	.11730	.12362	.00245	.00158	-.00454	.00000
.155	32.786	.14973	35.18111	.27326	.11882	.12473	.00148	-.00115	-.01655	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF465) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.137 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 465/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.275	4.13744	34.99058	.77587	.11074	.01040	.00270	.00446	.00962	.00000
.155	13.089	4.13253	35.20287	.77236	.11392	.01065	.00215	.00222	.01265	.00000
.154	22.361	4.10462	35.09389	.73171	.12005	.02774	.00212	.00124	.00256	.00000
.154	38.456	4.11515	35.10621	.69922	.12311	.04001	.00153	.00008	-.01078	.00000
.155	53.389	4.13736	35.24985	.68883	.12455	.05205	.00128	-.00055	-.01318	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 (RJF466) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.138 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 466/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13763	35.20423	.97576	.12220	-.05049	.00244	.00521	-.01639	.00000
.155	12.555	6.11759	35.25735	.98329	.12463	-.05302	.00198	.00405	.01274	.00000
.155	21.686	6.14177	35.36765	.94333	.13295	-.02813	.00207	.00285	.00577	.00000
.155	37.540	6.12289	35.22358	.91622	.13543	-.00300	.00131	-.00190	-.00910	.00000
.155	53.195	6.17584	35.25080	.89613	.13848	.00909	.00130	-.00232	-.01561	.00000
.155	63.673	6.17827	35.18393	.90300	.13870	.01208	.00167	-.00207	-.01855	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 (RJF467) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.126 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 467/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.12562	34.93485	1.18380	.13961	-.12055	.00033	.00690	.01924	.00000
.155	11.959	8.10675	35.26576	1.18220	.14136	-.12138	.00095	.00618	.01791	.00000
.154	21.342	8.13772	35.12045	1.15549	.15281	-.08463	.00203	.00246	.00492	.00000
.154	37.305	8.15969	34.84427	1.10065	.15820	-.04553	.00151	-.00153	-.00881	.00000
.154	52.799	8.18228	35.14917	1.09910	.15954	-.03107	.00152	-.00284	-.01340	.00000
.154	73.990	8.20929	35.15698	1.10518	.16078	-.02439	.00187	-.00250	-.01939	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF468) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.114	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 468/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.11423	35.04264	1.35881	.16056	-.20452	-.00183	.00908	.03089	.00000
.154	12.058	10.13001	35.07929	1.37007	.16370	-.20245	-.00167	.00841	.02966	.00000
.154	20.974	10.12936	35.11743	1.34707	.17689	-.14494	.00167	.00450	.00753	.00000
.155	37.333	10.13338	35.43861	1.30380	.18325	-.08950	.00173	-.00039	-.00816	.00000
.155	52.732	10.18426	35.33985	1.29451	.18577	-.07254	.00160	-.00264	-.01543	.00000
.155	84.371	10.25390	35.39045	1.28344	.18992	-.05875	.00150	-.00329	-.01679	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF469) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 469/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.377	12.13694	35.19842	1.54754	.20494	-.25126	-.00146	.00511	.01445	.00000
.155	23.660	12.11864	35.24191	1.53019	.20707	-.22571	-.00114	.00240	.00808	.00000
.154	39.658	12.12476	34.85807	1.48647	.21505	-.14525	.00156	-.00106	-.00800	.00000
.154	55.171	12.21233	35.17914	1.48122	.21957	-.12321	.00200	-.00118	-.01406	.00000
.155	97.482	12.31929	35.37496	1.49347	.22413	-.11421	.00245	-.00221	-.01936	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF470) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.211	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 470/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.278	.21106	35.04381	.30152	.11134	.21761	.00300	.00326	.00882	.01000
.155	14.002	.16162	35.32128	.29393	.11440	.21232	.00254	.00113	.00455	.01000
.155	24.097	.11072	35.22565	.26695	.11800	.21340	.00254	-.00008	-.00762	.00000
.155	32.935	.13601	35.40252	.24903	.11972	.21494	.00192	.00075	-.01465	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF471) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.154	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 471/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.15394	35.26961	.76019	.11010	.10890	.00266	.00510	.01489	.00000
.154	12.938	4.13429	35.14014	.74625	.11294	.11036	.00260	.00440	.01243	.00000
.154	22.211	4.10787	34.94914	.70262	.11885	.12623	.00220	.00124	-.00080	.00000
.154	38.342	4.11637	34.89285	.67942	.12127	.13835	.00138	.00062	-.01082	.00000
.154	53.271	4.16156	34.82167	.67980	.12246	.14541	.00144	.00019	-.01416	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 - (RJF472) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.134	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 472/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13374	35.24521	.96277	.12038	.04418	.00249	.00516	.01275	.01000
.155	12.383	6.10972	35.20207	.95318	.12193	.04803	.00248	.00373	.00905	.01000
.154	21.491	6.09742	35.12124	.92392	.12395	.06735	.00197	.00282	.00633	.01000
.154	37.336	6.14277	35.03931	.88528	.13356	.09479	.00118	-.00247	-.00964	.00000
.155	53.015	6.17480	35.32938	.87832	.13498	.10594	.00156	-.00181	-.01545	.00000
.155	63.491	6.20149	35.29715	.88094	.13561	.10965	.00189	-.00129	-.02037	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5 (RJF473) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 473/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.14460	35.30291	1.15870	.13691	-.02110	.00084	.00673	.01910	.01000
.155	11.856	8.12377	35.44481	1.15766	.13814	-.01972	.00129	.00610	.01477	.01000
.154	21.247	8.11041	35.12043	1.12210	.14888	.01332	.00222	.00188	.00278	.01000
.154	37.229	8.13433	34.88457	1.08592	.15270	.05002	.00138	-.00262	-.01294	.00000
.154	52.703	8.17323	35.18097	1.07007	.15581	.06760	.00161	-.00300	-.01610	.00000
.155	73.888	8.22739	35.28107	1.06813	.15714	.07480	.00198	-.00194	-.01870	.00000
	GRADIENT	.00000	00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF474) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.110	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 474/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.11027	35.02771	1.33381	.15807	-.09880	-.00082	.00661	.01853	.00000
.155	11.853	10.13740	35.29834	1.34298	.15986	-.09916	-.00128	.00713	.02594	.00000
.155	20.771	10.14013	35.31721	1.31408	.17441	-.04289	.00196	.00283	.00089	.00000
.155	37.100	10.14382	35.23159	1.27797	.17903	.00788	.00242	.00016	-.01066	.00000
.154	52.517	10.17840	35.17838	1.25727	.18213	.03018	.00179	-.00353	-.01642	.00000
.154	84.181	10.23608	35.17999	1.26161	.18479	.03890	.00248	-.00188	-.01881	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF475) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	12.143	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 475/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.368	12.14249	35.23924	1.52882	.20039	-.14655	-.00118	.00464	.02180	.00000
.155	23.673	12.13962	35.21120	1.51006	.20312	-.12111	.00004	.00387	.01016	.00000
.154	39.663	12.18013	34.93335	1.46466	.21088	-.04495	.00163	-.00328	-.00918	.00000
.154	55.143	12.19367	34.95030	1.45441	.21390	-.02269	.00204	-.00230	-.01617	.00000
.155	97.480	12.30196	35.35486	1.46056	.21932	-.01089	.00250	-.00218	-.01777	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF476) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.160	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 476/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.15981	35.28758	.33848	.11058	.03826	.00322	.00213	.01453	.01000
.154	13.873	.11614	35.07277	.33671	.11285	.03515	.00279	.00022	.00849	.01000
.154	23.959	.12071	34.93798	.31354	.11718	.04165	.00278	.00072	-.00505	.00000
.154	32.817	.13886	35.07257	.29908	.11837	.04202	.00192	-.00009	-.00980	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF477) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.122	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 477/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.12171	35.12137	.79935	.11183	-.07702	.00256	.00429	.01499	.00000
.154	12.964	4.10219	35.04919	.79359	.11531	-.07889	.00243	.00412	.01071	.00000
.154	22.249	4.12378	35.13487	.75828	.12125	-.06002	.00191	.00170	-.00099	.00000
.154	38.364	4.12749	35.19922	.73908	.12305	-.04780	.00161	-.00106	-.01474	.00000
.154	53.299	4.14266	35.16427	.72563	.12473	-.04089	.00125	-.00148	-.01509	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF478) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.123	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 478/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12246	35.21978	1.00063	.12410	-.14129	.00224	.00528	.01828	.00000
.154	12.541	6.10245	35.18306	1.00711	.12642	-.14072	.00258	.00577	.01443	.00000
.154	21.649	6.14773	34.98131	.96848	.13410	-.11858	.00218	.00219	.00126	.00000
.154	37.529	6.15022	35.19937	.94276	.13782	-.09232	.00150	-.00128	-.00970	.00000
.154	53.188	6.15415	35.06746	.92335	.13930	-.08029	.00103	-.00343	-.01605	.00000
.154	63.663	6.19072	35.17632	.92076	.14041	-.07442	.00157	-.00218	-.01748	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF479) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 479/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.10660	35.31768	1.20666	.14246	-.21496	.00064	.00701	.01853	.00000
.154	11.872	8.08006	35.06248	1.21305	.14223	-.21468	.00030	.00547	.02113	.00000
.154	21.259	8.11677	35.06959	1.17701	.15492	-.17511	.00190	.00068	-.00046	.00000
.154	37.239	8.18743	35.13812	1.14430	.15986	-.14033	.00171	-.00126	-.01080	.00000
.155	52.742	8.17364	35.31012	1.12266	.16154	-.11862	.00137	-.00333	-.01586	.00000
.155	73.916	8.20100	35.20446	1.12435	.16271	-.11500	.00201	-.00199	-.01738	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF480) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	10.145	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 480/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.14503	35.12387	1.38757	.16573	-.30320	-.00111	.00721	.02228	.00000
.154	12.218	10.12261	35.11607	1.40052	.16760	-.30065	-.00190	.00704	.03156	.00000
.155	21.134	10.12411	35.21648	1.36445	.18116	-.23583	.00115	.00355	.01278	.00000
.155	37.467	10.16314	35.22323	1.33140	.18709	-.18170	.00200	-.00078	-.00864	.00000
.155	52.878	10.19129	35.36329	1.31731	.18979	-.16126	.00156	-.00420	-.01725	.00000
.155	84.539	10.25356	35.30286	1.31702	.19339	-.15246	.00181	-.00314	-.01996	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF481) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100	IN.XC	
LREF	= 327.8000 IN.	YMRP	= .0000	IN.YC	
BREF	= 2348.0000 IN.	ZMRP	= 190.7500	IN.ZC	
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW =	12.153	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 481/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.394	12.15270	35.31151	1.57454	.20897	-.34808	-.00149	.00375	.01659	.00000
.155	23.693	12.13248	35.22409	1.55254	.21358	-.31338	-.00014	.00429	.00956	.00000
.154	39.714	12.14498	35.16720	1.51573	.21925	-.24065	.00093	-.00274	-.00871	.00000
.155	55.192	12.20166	35.22127	1.49974	.22326	-.21333	.00154	-.00318	-.01403	.00000
.155	97.510	12.29764	35.22467	1.52235	.22757	-.20813	.00223	-.00230	-.01864	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF482) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .145 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 482/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.14475	35.32961	.38036	.10829	-.11251	.00259	.00346	.00881	.00000
.155	14.391	.09932	35.26386	.36978	.11250	-.11755	.00211	.00080	.00627	.00000
.155	24.485	.13709	35.30441	.35769	.11535	-.12856	.00124	.00058	-.00339	.00000
.155	33.363	.18535	35.28037	.36373	.11579	-.12668	.00025	-.00020	-.01223	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF483) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.103 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 483/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.10292	35.01372	.80742	.10958	-.11341	.00205	.00451	.01179	-.01000
.155	13.365	4.14050	35.24504	.80172	.11370	-.12301	.00194	.00333	.00808	-.01000
.155	22.644	4.11895	35.23663	.78231	.11900	-.13312	.00069	.00108	-.00373	-.01000
.154	38.767	4.11874	35.16329	.74815	.12351	-.13857	-.00017	.00017	-.01392	-.01000
.155	53.710	4.14596	35.20823	.74539	.12521	-.13578	-.00093	-.00087	-.01559	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF484) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.140 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 484/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13967	35.21092	.98952	.12090	-.11127	.00208	.00546	.00970	-.01000
.154	13.062	6.11796	35.15279	.99476	.12438	-.12055	.00174	.00457	.01342	-.01000
.154	22.182	6.11422	34.95147	.96206	.13281	-.13521	.00124	.00213	.00366	-.01000
.154	38.064	6.14323	35.11535	.93588	.13775	-.14186	-.00039	-.00190	-.00596	-.01000
.154	53.730	6.16348	35.19745	.94341	.13895	-.13933	-.00037	-.00099	-.01270	-.01000
.155	64.213	6.19447	35.38898	.93751	.14014	-.13792	-.00097	-.00219	-.01743	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF485) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.130 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 485/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.12951	34.97522	1.17177	.13622	-.10383	.00212	.00741	.01741	-.01000
.155	12.350	8.10891	35.25090	1.17483	.13926	-.11182	.00185	.00746	.01426	-.01000
.155	21.737	8.10975	35.31068	1.15370	.15174	-.13578	.00083	.00351	.00290	-.01000
.154	37.720	8.16539	34.97329	1.14697	.15718	-.13993	-.00017	-.00011	-.00839	-.01000
.155	53.227	8.18391	35.31558	1.11937	.15104	-.14093	-.00059	-.00208	-.01355	-.01000
.155	74.397	8.22550	35.27252	1.13211	.16229	-.13904	-.00017	-.00006	-.01455	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF486) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.130 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 486/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.12957	35.16484	1.33717	.15549	-.09821	.00164	.00859	.02038	-.01000
.154	12.303	10.10131	35.06404	1.34321	.15845	-.10631	.00136	.00840	.01928	-.01000
.154	21.230	10.13737	35.02414	1.33230	.17469	-.13481	.00114	.00407	.00796	-.01000
.155	37.575	10.12807	35.23943	1.30301	.18296	-.13973	-.00010	-.00084	-.00497	-.01000
.155	53.010	10.16399	35.29635	1.30161	.18665	-.14046	-.00007	-.00093	-.01223	-.01000
.154	84.660	10.23953	35.17633	1.30710	.18998	-.13665	-.00040	-.00163	-.01780	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF487) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.185 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 487/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	20.361	12.18494	35.14160	1.52196	.19910	-.13868	.00049	.00435	.00769	-.01000
.154	23.649	12.16086	35.04320	1.51392	.20209	-.14037	.00036	.00452	.01185	-.01000
.154	39.661	12.14953	34.84926	1.47513	.21432	-.14244	.00011	.00085	-.00785	-.01000
.154	55.161	12.19496	35.00833	1.48159	.21765	-.14436	-.00020	-.00137	-.00978	-.01000
.155	97.479	12.32222	35.29399	1.50225	.22544	-.14180	.00013	-.00071	-.01327	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40165.3.5 (RJF488) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.166	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 488/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.16590	35.27085	.43503	.11546	-.30899	.00235	.00293	.01313	.00000
.154	14.404	.11680	35.09365	.42672	.11949	-.31264	.00216	.00369	.01139	.00000
.154	24.489	.11492	34.94853	.40732	.12291	-.31107	.00198	.00003	-.00214	.00000
.155	33.353	.14328	35.58258	.39701	.12459	-.30575	.00164	-.00131	-.01211	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40165.3.5 (RJF489) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.115	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 489/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.11466	35.15361	.88941	.12261	-.42261	.00203	.00419	.01229	.00000
.154	13.365	4.11240	35.13836	.88544	.12612	-.42108	.00177	.00307	.01270	.00000
.154	22.653	4.13697	34.91403	.85656	.13243	-.40818	.00167	.00076	.00197	.00000
.154	38.786	4.15506	35.11812	.82430	.13680	-.39611	.00103	-.00190	-.01216	.00000
.154	53.705	4.18163	35.18617	.82046	.13786	-.38457	.00152	-.00071	-.01663	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF490) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.174 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 490/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.17440	35.18610	1.09274	.13663	-.48319	.00144	.00602	.01588	.00000
.154	13.318	6.15493	35.15054	1.10583	.14021	-.48631	.00140	.00532	.01873	.00000
.154	22.420	6.13477	34.99292	1.05398	.14761	-.46311	.00169	.00215	.00441	.00000
.155	38.313	6.10969	35.52448	1.02337	.15195	-.43735	.00138	-.00155	-.00894	.00000
.154	53.958	6.15133	35.18180	1.00486	.15410	-.42496	.00120	-.00242	-.01382	-.01000
.154	64.430	6.19136	35.06910	1.00808	.15542	-.42398	.00149	-.00310	-.02143	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF491) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.145 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 491/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.14532	35.07151	1.28983	.15520	-.54587	-.00073	.00738	.02210	.00000
.154	12.493	8.11722	35.12927	1.29208	.15916	-.54468	-.00017	.00504	.02001	.00000
.155	21.862	8.11304	35.24135	1.25370	.17082	-.51872	.00189	.00214	.00207	.00000
.154	37.845	8.15613	35.05107	1.22391	.17699	-.48540	.00104	-.00302	-.00708	-.01000
.155	53.329	8.18385	35.21850	1.20100	.17989	-.47010	.00129	-.00345	-.01770	-.01000
.155	74.503	8.22787	35.24889	1.21238	.18114	-.46537	.00121	-.00382	-.02194	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF492) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.122 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
ICRB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 492/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.12242	35.21226	1.46401	.17961	-.61266	-.00174	.00784	.02630	-.01000
.154	12.507	10.09824	35.17201	1.46857	.18388	-.61244	-.00200	.00616	.02448	-.01000
.154	21.415	10.12554	35.21056	1.44391	.20017	-.57001	.00019	.00112	.00873	-.01000
.153	37.725	10.14992	34.68817	1.39471	.20810	-.52784	.00122	-.00255	-.01007	-.01000
.154	53.183	10.20148	35.08207	1.40532	.21082	-.51562	.00147	-.00287	-.01406	-.01000
.154	84.838	10.26602	35.10524	1.40233	.21505	-.50674	.00159	-.00301	-.01828	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF493) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.184 RN/L = 1.090
STAB = -2.000 ELEVTR = 17.000
ICRB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 493/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.438	12.18454	35.22242	1.65990	.23130	-.66696	-.00188	.00312	.01813	-.01000
.155	23.753	12.16263	35.23955	1.63818	.23520	-.64140	-.00150	.00174	.01427	-.01000
.154	39.749	12.16047	34.89703	1.58404	.24490	-.58209	.00139	-.00209	-.00846	-.01000
.154	55.237	12.17637	35.19905	1.57655	.24796	-.56508	.00193	-.00285	-.01489	-.01000
.154	97.563	12.29622	35.12752	1.59184	.25439	-.55803	.00202	-.00314	-.01704	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF494) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= .161	RN/L	= 1.090
STAB	= -2.000	ELEVTR	= -23.000
IORB	= 6.000	ELEVON	= -5.000
BDFLAP	= -11.700		

RUN NO. 494/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.277	.16115	35.21277	.19521	.11832	.59046	.00332	.00288	.00797	.00000
.154	13.665	.11911	35.14761	.19171	.12168	.58642	.00331	.00171	.00847	.00000
.154	23.741	.14154	35.02593	.17529	.12509	.58254	.00291	.00042	-.00270	.00000
.154	32.617	.15496	35.10146	.16481	.12573	.58107	.00213	.00001	-.01560	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF495) (18 JUN 76)

REFERENCE DATA

SREF	= 5500.0000 SQ.FT.	XMRP	= 1339.9100 IN.XC		
LREF	= 327.8000 IN.	YMRP	= .0000 IN.YC		
BREF	= 2348.0000 IN.	ZMRP	= 190.7500 IN.ZC		
SCALE	= .0400				

PARAMETRIC DATA

ALPHAW	= 4.131	RN/L	= 1.090
STAB	= -2.000	ELEVTR	= -23.000
IORB	= 6.000	ELEVON	= -5.000
BDFLAP	= -11.700		

RUN NO. 495/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.331	4.13052	34.99911	.64493	.11158	.52061	.00331	.00504	.01073	.00000
.154	12.686	4.11083	35.06213	.64338	.11393	.51566	.00304	.00392	.01122	.00000
.154	21.973	4.13291	35.11182	.59392	.12147	.51647	.00263	.00129	-.00696	.00000
.154	38.076	4.13040	34.96474	.57285	.12380	.52428	.00205	.00017	-.01193	.00000
.154	53.029	4.18168	34.92186	.58007	.12351	.53053	.00200	-.00007	-.01829	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF496) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 496/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.12942	35.26834	.85215	.11865	.47475	.00355	.00555	.01278	.00000
.154	12.167	6.10717	35.16963	.84094	.12080	.47148	.00344	.00678	.01529	.00000
.154	21.286	6.13031	35.09429	.82519	.12904	.46826	.00239	.00178	.00149	.00000
.155	37.167	6.14776	35.27065	.79114	.13200	.48557	.00201	.00002	-.01300	.00000
.155	52.828	6.17005	35.23718	.77443	.13402	.49192	.00193	-.00098	-.01565	.00000
.154	63.312	6.22381	35.18165	.77621	.13502	.49680	.00240	-.00035	-.01739	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF497) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.125	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 497/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.12496	35.14794	1.03654	.13287	.43297	.00200	.00526	.00892	.00000
.154	11.582	8.10205	35.13023	1.04021	.13266	.43124	.00217	.00649	.01571	.00000
.154	20.972	8.07818	35.04924	1.01404	.14409	.42899	.00290	.00492	.00774	.00000
.154	36.959	8.16592	35.20649	.99111	.14985	.44761	.00215	-.00131	-.00963	.00000
.154	52.459	8.23187	35.00213	.97586	.15213	.45674	.00249	-.00046	-.01670	.00000
.154	73.641	8.24647	35.19375	.96962	.15362	.46513	.00262	-.00155	-.02434	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF498) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.133 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 498/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.242	10.13256	35.15103	1.21390	.15084	.37951	.00044	.00841	.01837	.00000
.154	11.587	10.08095	35.17906	1.20839	.15168	.38103	-.00033	.00780	.02211	.00000
.154	20.518	10.10779	35.15779	1.20533	.16641	.39463	.00211	.00413	.00853	.00000
.153	36.852	10.15753	34.75579	1.15365	.17400	.41613	.00241	-.00095	-.01065	.00000
.155	52.287	10.15991	35.29207	1.14888	.17600	.42642	.00232	-.00135	-.01785	.00000
.154	83.938	10.22401	35.17755	1.15590	.17800	.43447	.00271	-.00053	-.01853	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF499) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.146 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 499/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.304	12.14529	35.21560	1.40961	.19181	.32141	-.00058	.00595	.01758	.00000
.154	23.594	12.14745	35.20122	1.37797	.19531	.34547	.00069	.00434	.00860	.00000
.154	39.594	12.13790	34.77986	1.33852	.20238	.38043	.00168	-.00047	-.00508	.00000
.154	55.100	12.17645	35.18011	1.33407	.20584	.39445	.00216	-.00257	-.01610	.00000
.155	97.411	12.29176	35.26617	1.35749	.20971	.40134	.00279	-.00117	-.01833	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40165.3.5 (RJF500) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	.171	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700	GRD PL =	11.000

RUN NO. 500/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.278	.17075	35.13942	.21966	.11960	.61684	.00387	.00189	.01375	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40165.3.5 (RJF501) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	4.131	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 501/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.13130	35.22740	.67562	.11433	.52175	.00311	.00458	.00975	.00000
.155	12.843	4.12436	35.23518	.67196	.11731	.51970	.00320	.00383	.00945	.00000
.154	22.084	4.09739	35.09211	.63198	.12325	.52070	.00244	.00096	-.00149	.00000
.153	53.172	4.16301	34.72592	.60983	.12624	.53974	.00178	-.00081	-.01516	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F2CTS40165.3.5 (RJF502) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	6.158	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 502/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.341	6.15817	35.08917	.88231	.12358	.47338	.00296	.00612	.01225	.00000
.155	53.070	6.14929	35.47685	.79457	.13896	.50004	.00190	-.00164	-.01325	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8).K3.1TS7H15.6.1F20TS401G5.3.5 (RJF503) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	8.117	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 503/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ -5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.340	8.11703	35.19766	1.06906	.13993	.42446	.00157	.00662	.01706	.00000
.154	11.653	8.09650	35.17980	1.07292	.13970	.42328	.00128	.00721	.02766	.00000
.154	21.041	8.09395	35.10055	1.04721	.13180	.42083	.00307	.00364	.00878	.00000
.155	52.506	8.15167	35.40948	1.00489	.13749	.44882	.00271	.00033	-.01141	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF504) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

ALPHAW =	10.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 504/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.327	10.13416	35.03753	1.24409	.16059	.37741	.00000	.00908	.03097	.00000
.154	52.541	10.14988	35.17684	1.19175	.18310	.40800	.00206	-.00251	-.01296	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5 (RJF505) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.118 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 505/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	20.327	12.11799	35.19894	1.45075	.20029	.30441	-.00090	.00566	.02109	.00000
.155	23.640	12.13657	35.23311	1.42764	.20466	.31675	-.00002	.00362	.01308	.00000
.153	55.123	12.23259	34.53208	1.39262	.21550	.36169	.00250	-.00120	-.01287	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF506) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = .111 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700 GP = 11.000

RUN NO. 506/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.277	.11054	35.31662	.41247	.10761	-.11710	.00368	.00426	.01893	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF507) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.088 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 507/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.331	4.08823	35.43596	.84843	.11075	-.11768	.00317	.00567	.02107	.00000
.155	14.194	4.07457	35.49002	.84355	.11583	-.12950	.00281	.00534	.01670	.00000
.154	22.788	4.04384	35.00554	.80080	.12156	-.14311	.00129	.00091	.00485	.00000
.154	54.002	4.23509	34.76722	.79476	.12779	-.14678	.00025	.00079	-.00901	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF508) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.138 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 508/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.155	11.341	6.13801	35.36399	1.03173	.12367	-.11437	.00296	.00720	.02186	.00000
.154	54.101	6.14705	34.94710	.97652	.14276	-.14787	.00059	.00043	-.00785	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7 F20TS401G5.3.5 (RJF509) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.116 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700

RUN NO. 509/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CL	CD	CLM	CLN	CSL	CY	BETA
.154	11.340	8.11593	35.08040	1.20813	.14128	-.10460	.00309	.00876	.02476	.00000
.154	12.578	8.09589	35.10248	1.21359	.14432	-.11499	.00318	.00875	.02272	.00000
.154	22.258	8.07638	34.95220	1.18442	.15684	-.13903	.00199	.00356	.00976	.00000
.154	53.670	8.19533	35.12574	1.16518	.16666	-.14291	.00086	.00014	-.00966	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.6.1F30G5.3.5TS2 (RJF510) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090		
STAB =	-6.000	ELEVTR =	.000		
GP =	65.000				

RUN NO. 510/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.294	.00000	35.03235	.80556	.18065	.17378	-.00055	-.00135	.00099
.154	1.347	.00000	35.06984	.92093	.18602	.14691	.00022	.00101	.00321
.154	2.327	.00000	35.17299	1.00298	.19614	.12494	-.00071	-.00061	.00364
.155	3.318	.00000	35.22056	1.10749	.20333	.09786	-.00051	.00042	.00278
.155	4.285	.00000	35.20501	1.21085	.21234	.07214	-.00129	-.00124	.00233
.154	5.392	.00000	35.02038	1.30240	.22511	.05309	-.00062	-.00006	-.00183
.154	6.367	.00000	35.02539	1.39321	.23607	.03035	-.00077	-.00048	.00262
.154	7.370	.00000	35.07919	1.48454	.24785	.00542	-.00089	-.00107	.00291
.154	8.361	.00000	35.16562	1.56525	.26216	-.01718	-.00100	-.00137	.00307
.154	9.500	.00000	35.03036	1.65917	.27869	-.04006	-.00072	-.00112	.00320
.155	10.524	.00000	35.27654	1.75445	.29215	-.06580	-.00039	-.00026	.00330
.154	11.459	.00000	35.18047	1.81569	.30716	-.08403	-.00059	-.00148	.00237
.154	12.488	.00000	35.19465	1.88639	.32268	-.10309	-.00071	-.00155	.00444
	GRADIENT	.00000	.04993	.10019	.00810	-.02535	-.00022	-.00003	.00023

(CA-8) K1.2H15.6.1F30G5.3.5TS2 (RJF511) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
GP =	65.000		

RUN NO. 511/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.340	.00000	35.05355	.84391	.17899	.07088	-.00081	-.00020	.00190
.154	1.263	.00000	35.09389	.94083	.18420	.04645	-.00067	-.00002	.00114
.154	2.383	.00000	35.09566	1.05668	.19324	.01918	-.00095	.00017	.00370
.154	3.340	.00000	35.08749	1.14398	.20290	-.00191	-.00051	.00035	.00398
.154	4.373	.00000	35.12277	1.24576	.21285	-.02576	-.00039	.00031	.00232
.154	5.469	.00000	35.08103	1.34453	.22528	-.04821	-.00106	-.00111	.00480
.154	6.358	.00000	35.12835	1.42609	.23592	-.06628	-.00067	-.00052	.00176
.154	7.414	.00000	35.13169	1.51502	.25037	-.09011	-.00056	-.00018	.00393
.154	8.489	.00000	35.06700	1.59540	.26646	-.11443	-.00077	-.00019	.00292
.154	9.474	.00000	34.98798	1.67847	.28111	-.13481	-.00096	-.00095	.00312
.154	10.453	.00000	35.05265	1.76505	.29572	-.15724	-.00130	-.00269	.00358
.155	11.505	.00000	35.42344	1.84262	.31116	-.18095	-.00134	-.00307	.00383
.154	12.499	.00000	35.10992	1.92332	.32487	-.19821	-.00034	-.00006	.00327
	GRADIENT	.00000	.01293	.09927	.00853	-.02382	.00010	.00014	.00037

(CA-8) K1.2H15.6.1F30G5.3.5TS2 (RJF512) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 65.000

RUN NO. 512/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.293	.00000	35.13202	.87194	.17636	-.02682	.00009	.00192	.00167
.155	1.317	.00000	35.20985	.97161	.18411	-.04580	-.00010	.00167	.00313
.154	2.347	.00000	35.19541	1.08046	.19279	-.07294	-.00062	.00104	.00258
.154	3.300	.00000	35.13672	1.17063	.20235	-.09551	-.00090	.00032	.00293
.154	4.370	.00000	35.12491	1.27209	.21328	-.11864	-.00036	.00068	.00128
.154	5.419	.00000	35.12709	1.36449	.22639	-.14017	-.00095	-.00062	.00374
.154	6.501	.00000	35.12081	1.45436	.23984	-.16325	-.00033	.00068	.00264
.154	7.388	.00000	35.17535	1.54061	.25170	-.18402	-.00094	-.00123	.00211
.155	8.377	.00000	35.19780	1.60720	.26805	-.20306	-.00121	-.00179	.00323
.154	9.399	.00000	35.09176	1.70321	.28057	-.22905	-.00080	-.00061	.00315
.154	10.457	.00000	35.18469	1.79518	.29792	-.25369	-.00080	-.00111	.00242
.154	11.456	.00000	35.18753	1.86964	.31269	-.27283	-.00105	-.00171	.00463
.155	12.459	.00000	35.24396	1.93946	.32903	-.29026	-.00162	-.00286	.00582
	GRADIENT	.00000	-.00847	.09858	.00908	-.02301	-.00017	-.00038	-.00010

(CA-8) K1.2 F30G5.3.5TS2 (RJF513) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 513/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	.326	.00000	35.17658	.95433	.17959	-.40522	-.00039	.00237	.00249
.154	1.341	.00000	35.09152	1.05961	.18550	-.39915	-.00140	-.00040	.00260
.154	2.452	.00000	35.09557	1.16427	.19551	-.40068	-.00112	.00040	.00131
.154	3.303	.00000	35 16714	1.23957	.20385	-.39560	-.00073	.00118	.00190
.154	4.387	.00000	35.13430	1.33243	.21573	-.38947	-.00157	-.00143	.00196
.155	5.361	.00000	35.22659	1.41051	.22751	-.37914	-.00148	-.00052	.00508
.154	6.363	.00000	35.14498	1.49365	.23956	-.36906	-.00193	-.00237	.00550
.154	7.357	.00000	35.15832	1.56945	.25330	-.36476	-.00129	-.00082	.00542
.155	8.419	.00000	35.20236	1.66307	.26638	-.35351	-.00108	-.00030	.00563
.154	9.417	.00000	35.12279	1.73209	.28226	-.34814	-.00127	-.00086	.00583
.155	10.463	.00000	35.24695	1.80927	.29662	-.33847	-.00142	-.00169	.00611
.155	11.473	.00000	35.18892	1.87955	.31254	-.33486	-.00130	-.00167	.00620
.155	12.455	.00000	35.23947	1.95837	.32152	-.32157	-.00059	.00014	.00299
	GRADIENT	.00000	-.00147	.09288	.00898	.00345	-.00017	-.00061	-.00018

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(CA-8) K1.2 TS1 (RJF514) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 514/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-1.880	.00000	35.22724	-.20785	.03393	-.04865	.00026	.00056	-.00584
.155	.138	.00000	35.25887	-.03855	.02522	-.03880	-.00018	.00187	-.00489
.154	4.187	.00000	35.03207	.29171	.02740	-.00225	-.00077	.00014	-.00559
.155	5.220	.00000	35.23642	.37274	.03052	.00290	-.00023	.00195	-.00254
.155	6.242	.00000	35.24570	.44915	.03427	.00688	-.00001	.00167	-.00038
.155	7.248	.00000	35.23131	.52657	.03897	.01642	-.00072	-.00008	-.00059
.155	8.267	.00000	35.15472	.59957	.04521	.02676	-.00086	.00022	-.00210
.155	9.248	.00000	35.22562	.67184	.05225	.03481	-.00054	.00052	-.00038
.155	10.300	.00000	35.16013	.73219	.06318	.04946	-.00158	-.00086	-.00164
.154	11.292	.00000	35.07180	.79566	.07880	.06546	-.00164	.00015	.00109
.154	12.337	.00000	35.07384	.85230	.09787	.08004	-.00161	-.00087	.00206
	GRADIENT	.00000	-.03559	.08223	-.00084	.00785	-.00017	-.00012	.00001

(CA-8) K1.2 TS1 (RJF515) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

RUN NO. 515/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	8.257	.00000	35.12181	.59704	.04497	.02690	-.00049	.00080	-.00006
.155	9.285	.00000	35.20801	.67770	.05216	.03887	-.00084	-.00017	.00078
.155	10.315	.00000	35.17497	.74060	.06324	.05077	-.00138	-.00022	.00151
.155	11.289	.00000	35.18529	.79945	.07882	.06613	-.00148	.00007	.00641
.155	12.321	.00000	35.25414	.85892	.09871	.07962	-.00182	.00055	.00393
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2 TS1 (RJF516) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 45.000

RUN NO. 516/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.146	.00000	35.19509	-.03064	.02568	-.03532	-.00002	.00053	-.00358
.155	1.167	.00000	35.21609	.04958	.02454	-.02771	-.00007	.00112	-.00500
.155	2.172	.00000	35.28023	.12513	.02496	-.02135	-.00025	.00159	-.00335
.155	3.187	.00000	35.27707	.21267	.02534	-.01210	-.00022	.00047	-.00239
.155	4.185	.00000	35.31840	.28864	.02765	-.00837	-.00031	.00167	-.00154
.155	5.218	.00000	35.24356	.38199	.03035	.00307	-.00059	.00055	-.00128
.155	6.224	.00000	35.18029	.45221	.03419	.00669	-.00049	.00175	-.00047
.154	7.230	.00000	35.06847	.52837	.03900	.01274	-.00065	.00051	-.00068
.154	8.265	.00000	35.12204	.60033	.04510	.02304	-.00056	.00033	.00107
.154	9.261	.00000	35.12986	.66751	.05268	.03222	-.00092	-.00018	.00064
.154	10.299	.00000	35.11160	.73576	.06348	.04815	-.00136	-.00078	.00259
.155	11.274	.00000	35.17074	.79498	.07902	.06403	-.00133	-.00070	.00339
.155	12.320	.00000	35.21696	.85150	.10028	.07796	-.00156	-.00057	.00420
	GRADIENT	.00000	.03045	.07939	.00047	.00669	-.00007	.00016	.00066

(CA-8) K1.2H15.1TS1 (RJF517) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 45.000

RUN NO. 517/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.137	.00000	35.22009	-.07758	.02696	.16535	.00057	.00028	-.00125
.155	1.128	.00000	35.23349	.01121	.02571	.14350	.00036	.00060	-.00198
.155	2.148	.00000	35.23881	.10758	.02536	.11999	.00020	.00067	-.00264
.155	3.201	.00000	35.19844	.19712	.02709	.09679	.00007	.00142	-.00136
.155	4.219	.00000	35.26457	.27728	.02954	.07394	-.00021	-.00015	-.00189
.154	5.235	.00000	35.06920	.36883	.03278	.05265	-.00007	.00028	-.00054
.155	6.282	.00000	35.15992	.46571	.03744	.02723	.00007	.00186	.00276
.155	7.282	.00000	35.18785	.54167	.04283	.00829	-.00024	.00078	.00037
.155	8.306	.00000	35.17097	.61712	.05044	-.00750	-.00038	-.00031	.00323
.155	9.269	.00000	35.25062	.70111	.05868	-.02540	-.00036	-.00015	.00389
.155	10.301	.00000	35.26083	.76967	.07136	-.03350	-.00047	-.00056	.00478
.155	11.303	.00000	35.25845	.83474	.08910	-.03360	-.00081	.00006	.00540
.155	12.277	.00000	35.41661	.89182	.10870	-.04048	-.00105	-.00064	.00622
	GRADIENT	.00000	.00521	.08748	.00064	-.02242	-.00018	-.00000	-.00006

(CA-8) K1.2H15.1TS1 (RJF518) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 87.000

RUN NO. 518/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	8.275	.00000	35.18869	.62183	.04995	-.00293	-.00038	.00022	.00110
.155	9.260	.00000	35.20471	.70302	.05869	-.01931	-.00019	-.00018	.00187
.155	10.305	.00000	35.18079	.77762	.07125	-.02469	-.00089	-.00024	.00367
.154	11.291	.00000	35.14335	.83449	.08737	-.02344	-.00101	-.00050	.00443
.155	12.293	.00000	35.21351	.89754	.10835	-.02599	-.00128	-.00074	.00313
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (RJF519) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090		
STAB =	-2.000	ELEVTR =	.000		
GP =	65.000				

RUN NO. 519/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	4.222	.00000	35.17793	.28430	.02872	.07617	-.00024	.00113	-.00102
.155	5.214	.00000	35.22763	.37114	.03206	.05643	-.00029	.00069	-.00166
.154	6.245	.00000	35.11621	.45562	.03682	.03509	-.00026	.00074	-.00031
.154	7.281	.00000	35.12922	.53842	.04309	.01475	-.00024	.00016	.00046
.155	8.261	.00000	35.18249	.62142	.04982	-.00543	.00001	.00072	.00108
.155	9.271	.00000	35.21629	.69253	.05843	-.01875	-.00041	-.00066	.00079
.154	10.276	.00000	35.14121	.76672	.06998	-.02546	-.00069	-.00096	.00374
.154	11.306	.00000	35.13950	.83126	.08798	-.02625	-.00122	-.00083	.00233
.155	12.317	.00000	35.17586	.88939	.10803	-.02739	-.00118	-.00025	.00612
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (RJF520) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090		
STAB =	.000	ELEVTR =	.000		
GP =	65.000				

RUN NO. 520/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	4.203	.00000	35.27639	.30626	.03075	-.01121	-.00017	.00055	-.00198
.154	5.244	.00000	35.09259	.38830	.03527	-.03611	-.00020	.00094	.00033
.154	6.283	.00000	34.84089	.48409	.04004	-.06039	-.00033	.00064	.00073
.154	7.264	.00000	35.09725	.56702	.04604	-.08190	.00001	.00107	-.00068
.154	8.275	.00000	35.10426	.64600	.05384	-.10269	-.00051	-.00082	.00122
.155	9.284	.00000	35.17828	.72249	.06281	-.11764	-.00047	-.00061	.00079
.154	10.339	.00000	35.14784	.79777	.07625	-.12615	-.00099	-.00097	.00268
.155	11.300	.00000	35.17642	.86087	.09334	-.12336	-.00111	-.00005	.00434
.154	12.341	.00000	35.06155	.92324	.11564	-.12724	-.00142	-.00010	.00403
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (RJF521) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
GP = 65.000

RUN NO. 521/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	4.210	.00000	35.18620	.26131	.02825	.16685	.00003	.00018	-.00078
.155	5.199	.00000	35.20423	.34052	.03151	.14745	.00002	.00102	-.00067
.154	6.226	.00000	35.11639	.43185	.03597	.12661	.00005	.00109	.00074
.155	7.238	.00000	35.16858	.51173	.04123	.10674	.00005	.00059	.00357
.155	8.286	.00000	35.18774	.60029	.04747	.08949	-.00016	.00070	.00108
.154	9.262	.00000	35.14573	.67387	.05512	.07665	-.00028	-.00032	.00289
.154	10.292	.00000	35.13113	.73970	.06729	.07121	-.00094	-.00097	.00369
.155	11.297	.00000	35.20856	.80130	.08385	.06835	-.00103	-.00047	.00540
.155	12.319	.00000	35.24397	.86833	.10408	.06675	-.00117	-.00119	.00425
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (INVERTED) (RJF522) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
GP = 65.000

RUN NO. 522/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	3.030	.00000	34.89915	.15411	.02422	.20208	.00129	.00277	.00001
.155	4.082	.00000	35.15230	.24230	.02637	.18022	.00113	.00245	-.00021
.155	5.069	.00000	35.12724	.33196	.02889	.15776	.00125	.00168	.00006
.155	6.068	.00000	35.05611	.41766	.03318	.13725	.00118	.00233	-.00038
.154	7.076	.00000	34.94342	.50470	.03794	.11773	.00125	.00203	-.00142
.155	8.144	.00000	35.22451	.58917	.04432	.09952	.00125	.00184	-.00247
.155	9.151	.00000	35.14043	.67107	.05191	.08534	.00111	.00102	-.00028
.155	10.146	.00000	35.20270	.74256	.06256	.07930	.00053	.00113	.00023
.155	11.158	.00000	35.20675	.80659	.07935	.07667	.00065	.00174	.00067
.155	12.177	.00000	35.20213	.87700	.10027	.07450	.00030	.00093	.00060
	GRADIENT	.00000	.24063	.08383	.00204	-.02078	-.00015	-.00030	-.00021

(CA-8) K1.2H15.1TS1 (INVERTED) (RJF523) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 65.000

RUN NO. 523/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	3.014	.00000	35.11133	.16713	.02505	.11432	.00129	.00170	-.00027
.155	4.031	.00000	35.19226	.26462	.02714	.09025	.00111	.00202	-.00074
.155	5.068	.00000	35.06163	.35838	.03015	.06696	.00120	.00238	-.00095
.154	6.003	.00000	34.95552	.44564	.03376	.04764	-.00084	.00155	.00023
.154	7.035	.00000	34.88716	.52090	.03960	.03011	.00125	.00238	-.00020
.155	8.043	.00000	35.26617	.60136	.04591	.00980	.00107	.00208	-.00129
.155	9.030	.00000	35.24048	.68068	.05396	-.00617	.00080	.00028	.00236
.155	10.019	.00000	35.05571	.76351	.06457	-.01621	.00065	.00042	.00197
.155	11.144	.00000	35.06279	.83526	.08344	-.01587	.00038	.00097	.00134
.155	12.023	.00000	35.02057	.89285	.10142	-.01701	.00021	.00111	.00077
	GRADIENT	.00000	.07958	.09586	.00206	-.02367	-.00018	.00031	-.00046

(CA-8) K1.2H15.1TS1 (INVERTED) (RJF524) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 87.000

RUN NO. 524/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-.047	.00000	35.18596	-.09012	.02606	.17829	.00174	.00122	.00315
.154	.965	.00000	34.91249	-.00541	.02402	.15681	.00127	.00219	.00019
.155	1.880	.00000	35.02462	.07516	.02370	.13832	.00123	.00223	-.00024
.155	3.043	.00000	35.16274	.17258	.02496	.11379	.00106	.00186	-.00036
.155	3.943	.00000	35.15525	.25341	.02714	.09301	.00114	.00247	.00004
.155	5.019	.00000	35.06452	.34931	.02977	.06997	.00121	.00263	-.00113
.155	6.001	.00000	35.13240	.43454	.03439	.04974	.00111	.00251	-.00124
.154	6.963	.00000	34.92344	.51438	.03952	.03065	.00124	.00223	.00086
.155	8.074	.00000	35.12067	.61329	.04593	.00740	.00109	.00086	.00143
.155	9.120	.00000	35.25971	.68995	.05458	-.00703	.00109	.00142	.00095
.155	9.998	.00000	35.27215	.75064	.06416	-.01496	.00079	.00092	.00067
.155	11.102	.00000	35.23498	.82977	.08205	-.01562	.00069	.00110	.00239
.155	12.069	.00000	35.19697	.88643	.10158	-.01817	.00061	.00109	.00196
	GRADIENT	.00000	.01949	.08598	.00031	-.02123	-.00014	.00021	-.00067

(CA-8) K1.2H15.1TSI (INVERTED) (RJF525) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .030 RN/L = 1.090
STAB = .000 ELEVTR = .000
GP = 65.000

RUN NO. 525/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	3.029	.03000	35.06263	.20011	.02617	.02312	.00104	.00259	-.00031
.154	3.906	.03000	34.94003	.28164	.02816	.00110	.00088	.00201	.00163
.155	5.006	.03000	35.08018	.37980	.03227	-.02477	.00074	.00107	.00197
.154	6.000	.03000	34.91963	.46159	.03688	-.04685	.00101	.00207	.00146
.155	7.120	.04000	35.05382	.55757	.04349	-.07306	.00094	.00178	-.00055
.155	8.035	.04000	35.26312	.62718	.04998	-.09043	.00115	.00215	.00121
.155	9.059	.04000	35.22068	.71408	.05860	-.10957	.00087	.00118	.00034
.155	10.113	.04000	35.18735	.79201	.07100	-.11783	.00039	.00090	.00216
.155	11.061	.04000	35.19712	.85481	.08699	-.11590	.00029	.00106	.00375
.155	12.129	.04000	35.15459	.92926	.10984	-.11791	.00048	.00079	.00362
	GRADIENT	.00000	-.13980	.09296	.00227	-.02511	-.00018	-.00066	.00221

(CA-8) K1.2 TSI (INVERTED) (RJF526) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 45.000

RUN NO. 526/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.154	7.095	.00000	34.91459	.54388	.03690	.01563	.00077	.00094	.00265
.155	8.105	.00000	35.03422	.61570	.04346	.02405	.00069	.00181	.00223
.155	9.015	.00000	35.12950	.68100	.05011	.03017	.00063	.00100	.00097
.155	10.083	.00000	35.08333	.76290	.06063	.05063	-.00014	.00048	.00052
.155	11.105	.00000	35.04669	.82364	.07737	.06353	-.00035	.00153	-.00163
.155	12.080	.00000	35.08806	.88507	.09641	.07838	-.00028	.00058	.00036
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2 TSI (INVERTED) (RJF527) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 527/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	2.958	.00000	35.03711	.20761	.02416	-.01578	.00112	.00223	.00036
.154	3.961	.00000	34.92312	.27789	.02606	-.01336	.00101	.00281	-.00258
.154	5.036	.00000	34.87945	.37767	.02833	-.0033	.00099	.00277	-.00135
.155	6.015	.00000	35.03737	.44978	.03272	.00325	.00079	.00268	.00073
.155	7.031	.00000	35.14386	.53134	.03708	.01132	.00086	.00205	-.00001
.155	8.126	.00000	35.22279	.60600	.04374	.01868	.00092	.00229	.00101
.155	9.045	.00000	35.23544	.67707	.05025	.02885	.00054	.00150	-.00137
.155	10.022	.00000	35.23766	.74556	.05949	.0421:	.00017	.00038	.00270
.155	11.151	.00000	35.18616	.81262	.07718	.06118	.00021	.00149	.00065
.155	12.122	.00000	35.22754	.87356	.09606	.07468	.00005	.00144	.00111
	GRADIENT	.00000	-.11365	.07007	.00189	.0024:	-.00011	.00058	-.00293

(CA-8) K1.2 TSI (INVERTED) (RJF528) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

RUN NO. 528/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	-.049	.00000	34.98914	-.03716	.02341	-.03914	.00106	.00230	.00562
.155	1.031	.00000	35.32740	.05089	.02205	-.02961	.00077	.00167	.00336
.155	2.058	.00000	34.99799	.13150	.02154	-.02286	.00103	.00242	.00289
.155	3.067	.00000	35.05388	.21031	.02260	-.01769	.00101	.00311	.00338
.155	4.094	.00000	35.10337	.28953	.02500	-.01027	.00113	.00259	.00335
.155	5.112	.00000	35.14249	.37732	.02743	-.00502	.00087	.00212	.00198
.155	6.024	.00000	35.03018	.44659	.03114	.00214	.00096	.00250	.00124
.155	7.072	.00000	35.09025	.52396	.03628	.00875	.00095	.00272	.00060
.155	8.069	.00000	35.15219	.59338	.04228	.01701	.00086	.00240	.00013
.155	8.989	.00000	35.07390	.66516	.04824	.02649	.00072	.00141	-.00007
.155	10.110	.00000	35.12719	.74454	.05911	.04240	.00035	.00107	.00050
.155	11.123	.00000	34.98255	.80704	.07507	.05858	.00007	.00198	.00045
.155	12.137	.00000	35.09097	.86871	.09476	.07370	.00009	.00172	.00205
	GRADIENT	.00000	-.00377	.07875	.00035	.00676	.00004	.00019	-.00044

(CA-8) K1.2 TS2F30 (INVERTED) (RJF529) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 529/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	3.198	.00000	35.04157	1.23776	.20608	-.40117	.00073	.00235	.00248
.155	4.240	.00000	35.01809	1.33641	.21584	-.39638	.00077	.00237	-.00036
.154	5.261	.00000	34.95654	1.42875	.22678	-.38661	.00044	.00228	-.00183
.155	6.287	.00000	35.08374	1.51713	.23844	-.37581	.00069	.00295	-.00347
.155	7.274	.00000	35.04965	1.59367	.25309	-.37123	.00065	.00267	-.00161
.155	8.345	.00000	35.09540	1.68412	.26657	-.36346	.00038	.00280	-.00100
.155	9.233	.00000	35.15968	1.74556	.28005	-.36022	.00022	.00281	-.00083
.155	10.296	.00000	35.10115	1.83225	.29491	-.35247	-.00004	.00219	-.00579
.155	11.269	.00000	35.08501	1.90598	.30870	-.34343	-.00006	.00266	-.00381
.155	12.225	.00000	34.98990	1.97186	.32257	-.33463	-.00002	.00345	-.00728
	GRADIENT	.00000	-.02254	.09467	.00937	.00460	.00004	.00002	-.00273

(CA-8) K1.2 TS2F30 (INVERTED) (RJF530) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

RUN NO. 530/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.179	.00000	35.24062	.95716	.17999	-.40840	.00049	.00226	.00327
.154	1.135	.00000	34.90961	1.04416	.18686	-.40774	.00072	.00238	.00230
.155	2.239	.00000	35.23468	1.15252	.19497	-.40511	.00067	.00296	.00110
.155	3.161	.00000	35.22725	1.22881	.20439	-.40248	.00083	.00253	.00138
.155	4.169	.00000	35.12281	1.32106	.21348	-.39500	.00051	.00198	-.00137
.155	5.319	.00000	35.11061	1.42351	.22588	-.38663	.00072	.00319	-.00315
.155	6.169	.00000	35.12980	1.48880	.23658	-.37828	.00069	.00309	-.00255
.155	7.300	.00000	35.02067	1.58906	.25070	-.36985	.00048	.00270	-.00060
.155	8.338	.00000	35.01705	1.66688	.26522	-.36329	.00037	.00320	-.00121
.154	9.300	.00000	34.89341	1.73565	.27974	-.35612	.00052	.00389	-.00448
.156	10.313	.00000	35.43446	1.82044	.29255	-.34837	.00038	.00343	-.00514
.155	11.339	.00000	35.21032	1.89312	.30772	-.34114	.00045	.00372	-.00730
.155	12.313	.00000	35.19335	1.95993	.32026	-.33095	.00015	.00425	-.00545
	GRADIENT	.00000	.00964	.09124	.00844	.00320	.00001	-.00004	-.00102

(CA-8) K1.2H15.1TS2F30 (INVERTED) (RJF531) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
GP =	65.000		

RUN NO. 531/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	3.218	.00000	35.28066	1.16792	.19782	-.08487	.00149	.00202	-.00154
.155	4.134	.00000	35.20792	1.26436	.20651	-.10741	.00132	.00152	-.00279
.155	5.225	.00000	35.16632	1.35147	.22095	-.12742	.00137	.00168	-.00117
.155	6.319	.00000	35.11450	1.45620	.23448	-.15195	.00135	.00190	-.00269
.154	7.246	.00000	34.97325	1.54510	.24674	-.17365	.00124	.00207	-.00329
.154	8.156	.00000	34.95090	1.62602	.26043	-.19520	.00081	.00157	-.00257
.155	9.389	.00000	35.05263	1.73869	.27756	-.22422	.00061	.00102	-.00036
.155	10.242	.00000	35.02911	1.81235	.29099	-.24114	.00069	.00192	-.00230
.154	11.225	.00000	34.97616	1.88797	.30665	-.26239	.00085	.00250	-.00612
.155	12.326	.00000	35.01792	1.96506	.32524	-.27915	.00021	.00228	-.00231
	GRADIENT	.00000	-.07941	.10528	.00949	-.02461	-.00019	-.00055	-.00136

(CA-8) K1.2H15.1TS2F30 (INVERTED) (RJF532) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC		
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC		
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC		
SCALE =	.0400				

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
GP =	87.000		

RUN NO. 532/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.170	.00000	35.11479	.84689	.17369	-.00736	.00140	.00198	.00131
.154	1.131	.00000	34.79632	.95071	.17966	-.03262	.00125	.00220	-.00230
.155	2.165	.00000	35.07005	1.05034	.18821	-.05733	.00151	.00199	-.00028
.155	3.169	.00000	35.09649	1.15158	.19687	-.08001	.00153	.00259	-.00086
.155	4.237	.00000	35.15192	1.24907	.20794	-.10429	.00156	.00177	-.00079
.155	5.262	.00000	35.10707	1.35328	.21985	-.12867	.00122	.00200	-.00241
.155	6.254	.00000	35.10369	1.44583	.23142	-.14893	.00151	.00200	-.00171
.155	7.198	.00000	35.09876	1.52574	.24462	-.17028	.00123	.00168	-.00210
.155	8.320	.00000	35.01245	1.62282	.26128	-.19461	.00105	.00222	-.00277
.155	9.307	.00000	35.03613	1.71203	.27580	-.21570	.00114	.00277	-.00440
.155	10.242	.00000	35.14481	1.78893	.29032	-.23813	.00106	.00295	-.00592
.155	11.216	.00000	35.18188	1.87233	.30400	-.25880	.00096	.00315	-.00534
.155	12.300	.00000	35.05655	1.94738	.32042	-.27885	.00070	.00327	-.00587
	GRADIENT	.00000	.03779	.09878	.00844	-.02371	.00006	-.00001	-.00026

(CA-8) K1.2H15.1TS2F30 (INVERTED) (RJF533) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
GP = 65.000

RUN NO. 533/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	3.141	.00000	35.22581	1.13404	.19621	.00945	.00154	.00163	-.00191
.155	4.206	.00000	34.98912	1.23199	.20779	-.01473	.00168	.00229	-.00151
.155	5.268	.00000	35.27457	1.34480	.21900	-.03964	.00133	.00071	-.00216
.155	6.257	.00000	35.14696	1.42740	.23164	-.05684	.00160	.00223	-.00334
.155	7.216	.00000	35.12172	1.51680	.24449	-.07875	.00140	.00173	-.00465
.155	8.313	.00000	35.07239	1.61503	.25969	-.10593	.00130	.00214	-.00311
.155	9.334	.00000	35.11475	1.70251	.27482	-.12707	.00107	.00235	-.00465
.155	10.338	.00000	35.01777	1.78935	.29031	-.14990	.00093	.00230	-.00502
.155	11.242	.00000	35.05386	1.86870	.30283	-.16886	.00072	.00198	-.00533
.155	12.256	.00000	34.99480	1.94081	.31909	-.18650	.00038	.00220	-.00385
	GRADIENT	.00000	-.22224	.09197	.01087	-.02270	.00013	.00062	.00038

(CA-8) K1.2H15.1TS2F30 (INVERTED) (RJF534) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
GP = 87.000

RUN NO. 534/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.107	.00000	35.14962	.81590	.17408	.08765	.00130	.00181	-.00024
.154	1.181	.00000	34.94798	.92149	.18100	.06185	.00159	.00310	-.00207
.155	2.151	.00000	35.15066	1.02805	.18760	.03532	.00144	.00202	-.00185
.155	3.231	.00000	35.07041	1.13499	.19642	.01027	.00147	.00175	-.00092
.155	4.100	.00000	35.22284	1.21651	.20501	-.01131	.00155	.00154	-.00229
.155	5.250	.00000	35.20051	1.31785	.21876	-.03347	.00173	.00281	-.00322
.155	6.160	.00000	35.14401	1.41153	.22845	-.05517	.00143	.00178	-.00324
.155	7.241	.00000	35.15192	1.51165	.24298	-.07948	.00181	.00284	-.00403
.155	8.317	.00000	35.18438	1.59529	.25925	-.10300	.00144	.00299	-.00247
.155	9.299	.00000	35.08203	1.68863	.27269	-.12517	.00137	.00307	-.00393
.155	10.286	.00000	35.16787	1.76671	.28792	-.14698	.00143	.00340	-.00336
.155	11.364	.00000	35.10388	1.85190	.30380	-.16922	.00125	.00372	-.00707
.155	12.381	.00000	35.19240	1.93860	.31630	-.18893	.00083	.00370	-.00540
	GRADIENT	.00000	.02513	.10114	.00768	-.02486	.00004	-.00018	-.00029

(CA-8) K1.2H15.6.1F30TS4 (INVERTED) (RJF535) (18 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
GP = 87.000

RUN NO. 535/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.155	.111	.00000	35.19751	.83596	.17468	.00713	.00117	.00278	.00334
.154	1.208	.00000	34.85370	.95414	.18157	-.01788	.00073	.00254	.00086
.155	2.145	.00000	34.97260	1.04391	.18917	-.03939	.00084	.00250	-.00006
.155	3.060	.00000	35.35006	1.13659	.19692	-.05654	.00077	.00245	.00008
.155	4.169	.00000	34.99555	1.23753	.20739	-.07836	.00094	.00237	-.00206
.155	5.274	.00000	35.27515	1.34465	.21886	-.09869	.00085	.00234	-.00058
.155	6.270	.00000	35.25008	1.43748	.23153	-.12153	.00068	.00253	-.00049
.155	7.274	.00000	35.14056	1.52095	.24578	-.14317	.00076	.00278	-.00042
.155	8.273	.00000	35.14471	1.61528	.25890	-.17177	.00033	.00273	.00291
.155	9.262	.00000	35.09811	1.69803	.27354	-.19541	.00031	.00273	.00134
.155	10.276	.00000	34.97481	1.78951	.28904	-.22228	.00013	.00287	-.00154
.154	11.376	.00000	34.82806	1.88070	.30572	-.25029	.00002	.00273	-.00215
.155	12.294	.00000	35.17552	1.93697	.32185	-.26653	-.00039	.00353	-.00127
	GRADIENT	.00000	.00493	.09888	.00810	-.02103	-.00004	-.00009	-.00117

REPRODUCIBILITY OF THE
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(CA-8) K1.2H15.6.1F30TS4 (INVERTED) (RJF536) (18 JUN 76)

REFERENCE DATA

SREF =	5500.0000 SQ.FT.	XMRP =	1339.9100 IN.XC				
LREF =	327.8000 IN.	YMRP =	.0000 IN.YC				
BREF =	2348.0000 IN.	ZMRP =	190.7500 IN.ZC				
SCALE =	.0400						

PARAMETRIC DATA

BETA =	.000	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
GP =	87.000		

RUN NO. 536/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CL	CD	CLM	CLN	CSL	CY
.156	.129	.00000	35.50093	.82213	.17591	.08486	.00103	.00169	.00251
.155	1.132	.00000	35.00890	.92881	.18102	.06247	.00078	.00151	.00000
.154	2.079	.00000	34.91749	1.01517	.18881	.04497	.00093	.00264	-.00050
.155	3.277	.00000	34.98807	1.12811	.19982	.01968	.00088	.00271	-.00151
.155	4.145	.00000	35.14371	1.21440	.20690	-.00021	.00081	.00157	-.00203
.155	5.168	.00000	35.10215	1.32207	.21690	-.02060	.00059	.00186	-.00300
.155	6.245	.00000	35.03547	1.40552	.23106	-.03461	.00075	.00225	-.00082
.155	7.212	.00000	35.15631	1.50485	.24155	-.05694	.00043	.00259	.00021
.155	8.181	.00000	35.15103	1.58512	.25512	-.07641	.00010	.00141	.00088
.155	9.238	.00000	35.08341	1.66797	.27095	-.09715	.00022	.00265	.00193
.155	10.335	.00000	35.06642	1.76432	.28715	-.12486	.00037	.00265	-.00074
.155	11.257	.00000	34.99908	1.84372	.30056	-.14742	.00039	.00343	-.00396
.155	12.262	.00000	35.10191	1.91378	.31573	-.16856	-.00020	.00311	-.00149
	GRADIENT	.00000	-.07167	.09664	.00795	-.02092	-.00003	.00010	-.00104